

NMI CHAIN OF CUSTODY (SAMPLE SUBMISSION) FORM

FOOD SAMPLES to be submitted to:

NMI: 1/153 Bertie Street, Port Melbourne VIC 3207 Ph: 1300 722 845 email: food@measurement.gov.au

SUBMITTING PERSON:	s 22(1)(a)(ii)	Internal use only
Company Name:	Australian Consumers Association	NMI Quote Number: AUSC17A-TR2005V Valid until: 30/09/2020
Address:	57 Carrington St, Marrackville, NSW 2204	LIMS Reference: QT-02133
Contact:	s22(1)(a)(ii)	TURN AROUND TIME REQUESTED (Working days): Standard 10 days <input checked="" type="checkbox"/> Fast TAT 4-7 working days <input type="checkbox"/> 25% premium Fast TAT 2-3 working days <input type="checkbox"/> 50 % premium *Fast TATs are not available for all tests and MUST be agreed to prior to sample submission
Phone:	s22(1)(a)(ii)	
ABN:	72 000 281 925	
Contact email:	s22(1)(a)(ii)	

Purchase order required: Y / N PO Number: _____ If a PO number is required on your invoice, it must be provided at sample submission. PO's received after sample submission will not appear on final invoice				TESTS REQUIRED		
NMI LRN <small>(Internal use only)</small>	Prep Y/N <small>(Internal use only)</small>	SAMPLE TYPE <small>(ie. Food, Water, Premix, Chemical)</small>	SAMPLE REFERENCE <small>(BB date, collection date, paddock number etc) *not mandatory</small>	SAMPLE DESCRIPTION <small>(please include all information as you would like it to appear on the report)</small>	Please list the tests required on each sample (one sample per line)	Other product specification, indicative vitamin or metals levels (not mandatory)
V20/011807		GEL	A	SANITISER A	TEST FOR % OF ETHYL ALCOHOL	
V20/011808	DO	GEL	B	SANITISER B	TEST FOR % OF ETHYL ALCOHOL	
NOT	NO					
FILL	FLL					
NMI	NM					
USE	US					
ONLY	ON					

3 JUN '20 12:20

GENERAL COMMENTS:
 (indicative vitamin levels, MSDS if required, specify if low LOR required etc.)

When providing samples to NMI, you must give written notice of all known safety or health hazards and special procedures relevant to the handling, testing, storage, transport and disposal of samples. NMI reserves the right to refuse to conduct any test where NMI in its absolute discretion determines such testing may pose a safety or health hazard.

WATER SAMPLES ONLY:	SPLIT BY: LSU / MICF	RECEIVED @ NMI BY:	ASSIGNED TAT: 86
Date sampled:	FOR: FOOD COMP / TRACE-PROX / MICRO / PESTS / ANTIMIC / VOC / INVESTIGATION	TEMP ON ARRIVAL (MICRO ONLY):	Page 1
Time Sampled:	O/S: NSW /	DATE & TIME:	

NATIONAL MEASUREMENT INSTITUTE QUOTATION

1/153 Bertie St, Port Melbourne VIC 3207 105 Delhi Rd, North Ryde NSW 2113

Quotation Number: **AUSC17A-TR2005V**
Date of Issue: **May 29, 2020**
Valid Until: **September 30, 2020**
LIMS Reference (NMI use only): **QT-02139**

Contact Name: **s22(1)(a)(ii)**
Company: **Australian Consumers Association**
ABN: **72 000 281 925**
Street Address: **57 Carrington St, Marrackville, NSW 2204**
Postal Address:
Telephone/Mobile: **s22(1)(a)(ii)**
Email address: **s 22(1)(a)(ii)**
Invoice email address: **s 22(1)(a)(ii)**
Customer Reference: **As per your emails to s22(1)(a)(ii)**
Job / Project Reference: **Analysis of Hand Sanitiser**

Dear: **s 22(1)(a)(ii)**

Thank you for the opportunity to quote for the analysis of

TEST	LIMIT OF REPORTING	Price Per Sample \$	GST @ 10% \$	Total Per Sample \$	Minimum sample size
HAND SANITISER					
ALCOHOLS					
Iso-propanol + Ethanol (cost per sample)	5% v/v	\$ 300.00	\$ 30.00	\$ 330.00	50mL

HANDLING FEE:	A standard Handling Fee of \$33.00 inclusive of GST (GST component \$3.00) applies per invoice.	\$33.00
MINIMUM INVOICE FEE:	A minimum Invoice of \$275 inclusive of GST applies. (Includes the \$33.00 handling fee).	\$275.00

COMMENTS & SPECIAL CONDITIONS

Iso-propanol + Ethanol

There have been instances where non-prescribed alcohols have been added to hand sanitisers as active ingredients. If they need to be identified then further charges will apply

NMI Method reference VL315. Method Reference: AOAC 18th Ed. 2005 Official Method 972.10

LORs are targets only and may be revised if samples are found to contain substances which cause interferences, or if matrix effects become apparent during analysis

Measurement Uncertainty available upon request

Please advise the laboratory if you are submitting samples to comply with regulatory or specification limits

SAMPLE DELIVERY

Please deliver samples to 1/153 Bertie St, Port Melbourne with completed sample submission (chain of custody) form (attached)

AGREED TURNAROUND TIME

Typically 10 working days from receipt at laboratory. Premiums will apply for fast TATs if available.

Fast TATs **must** be agreed to before dispatch of samples and requested in writing on the chain of custody / sample submission form.

Premiums applied to fast TATs: 2-3 days 50% premium 4-7 days 25% premium

QUOTED BY: **s22(1)(a)(ii) - Account Manager** DATE: 29/05/2020

When providing samples to NMI, the client must give written notice of all known safety or health hazards and special procedures relevant to the handling, testing, storage, transport and disposal of samples. NMI reserves the right to refuse to conduct any test where NMI in its absolute discretion determines such testing may pose a safety or health hazard.

NMI CHAIN OF CUSTODY (SAMPLE SUBMISSION) FORM

FOOD SAMPLES to be submitted to:

NMI: 1/153 Bertie Street, Port Melbourne VIC 3207 Ph: 1300 722 845 email: food@measurement.gov.au

FOI - LEX 74807 - Documents released under the Freedom of Information Act 1982

SUBMITTING PERSON: s22(1)(a)(ii)	Internal use only
Company Name: Australian Consumers Association	NMI Quote Number: AUSC17A-TR2007V Valid until: 30/09/2020
Address: 57 Carrington St, Marrackville, NSW 2204	LIMS Reference: QT-01471
Contact: s22(1)(a)(ii) Additional email(s) for report (if required):	TURN AROUND TIME REQUESTED (Working days):
Phone: s22(1)(a)(ii)	Standard 10 days <input checked="" type="checkbox"/>
ABN: 72 000 281 925 Invoice email:	Fast TAT 4-7 working days <input type="checkbox"/> 25% premium *Fast TATs are not available for all tests and MUST be agreed to prior to sample submission
Contact email: s22(1)(a)(ii)	Fast TAT 2-3 working days <input type="checkbox"/> 50 % premium

Purchase order required: Y / N PO Number: _____
 If a PO number is required on your invoice, it must be provided at sample submission. PO's received after sample submission will not appear on final invoice

NMI LOR (Internal use only)	Prep Y/N (Internal use only)	SAMPLE TYPE (ie. Food, Water, Premix, Chemical)	SAMPLE REFERENCE (BB date, collection date, paddock number etc) *not mandatory	SAMPLE DESCRIPTION (please include all information as you would like it to appear on the report)	TESTS REQUIRED (Please tick or list required tests against samples)										OTHER (please specify)		
V20/015629		Gel	CH01	Air Clean Instant Hand Sanitiser 100ml													
V20/015630	DO	Gel	CH02	Bactive Hand Sanitiser 50ml													
V20/015631	DO	Gel	CH03	Careline Care Touch Instant Hand Sanitiser 200ml													
V20/015632	NOT	Gel	CH04	Dettol Healthy Touch Instant Hand Sanitiser 50ml													
V20/015633	FILL	Gel	CH05	Lifebuoy Hand Sanitiser 50ml													
V20/015634	NMI	Aerosol	CH06	Lifebuoy Hand Sanitiser Spray 150ml													
V20/015635	USE	Gel	CH07	Ozcare Instant Hand Sanitiser Gel 250ml													
V20/015636	ONLY	Gel	CH08	Oz-guard Instant Hand Sanitiser 60ml													
V20/015637		Gel	CH09	Palmolive Hand Sanitiser Japanese Cherry Blossom 200ml													
V20/015638	DO	Gel	CH10	Palmolive Hand Sanitiser Lemon and White Citrus 48ml													
V20/015639	DO	Gel	CH11	Skin Nutrient Hand Sanitiser 50ml													
V20/015640	NOT	Gel	CH12	Soodox Vytal Antibacterial Hand Sanitiser 500ml													
V20/015641	FILL	Gel	CH13	Soodox Vytal Antibacterial Hand Sanitiser 200ml													
V20/015642	NMI	Gel	CH14	Soodox Vytal Antibacterial Hand Sanitiser 100ml													
V20/015643	USE	Gel	CH15	Sukin Antibacterial Hand Sanitiser Green Tea & Mint 125ml													
V20/015644	ONLY	Gel	CH16	Swisscare Instant Hand Sanitiser 30ml													
V20/015645		Gel	CH17	Thankyou Hand Sanitiser 50ml													
V20/015646		Gel	CH18	The Balnea Body Company Instant Hand Sanitiser 50ml													
V20/015647		Gel	CH19	The Balnea Body Company Instant Hand Sanitiser 200ml													
V20/015648		Gel	CH20	Rifeshow Blue Safety 75% alcohol Hand Sanitizer Gel 500ml													
V20/015649	DO	Gel	CH21	Health+Beauty Instant Hand Sanitiser 500ml													
V20/015650	DO	Gel	CH22	La Clinica All-Purpose Fast Acting Hand Sanitiser 500ml													
V20/015651	NOT	Liquid	CH23	Goat Antibacterial Hand Sanitiser 120ml													
V20/015652	FILL	Liquid	CH24	X-20 Sanitising Spray 120ml													
V20/015653	NMI	Liquid	CH25	Band-Aid Iso-propyl Alcohol With Moisturiser 250ml													
V20/015654	USE	Gel	CH26	Piksters Shield Hand Sanitiser 50ml													
V20/015655	ONLY	Gel	CH27	Seven Wonders Antibacterial Hand Gel 75ml													
V20/015656		Liquid	CH28	Isocol Multipurpose Spray 75ml													
V20/015657		Gel	CH29	Aldi Tricare Instant Hand Sanitiser 250ml													
V20/015658		Gel	CH30	Bug-grrr Off Eucyl Antibacterial Hand Sanitiser Gel 50ml													

GENERAL COMMENTS:
 (indicative vitamin levels, MSDS if required, specify if Low LOR required etc.)

When providing samples to NMI, you must give written notice of all known safety or health hazards and special procedures relevant to the handling, testing, storage, transport and disposal of samples. NMI reserves the right to refuse to conduct any test where

WATER SAMPLES ONLY: Date sampled: Time Sampled	SPLIT BY: LSU / MICI FOR: FOOD COMP / TRACE-PROX / MICRO / PESTS / ANTIMIC / VOC / INVESTIGATION O/S: NSW /	RECEIVED @ NMI BY: TEMP ON ARRIVAL (MICRO ONLY): DATE & TIME:	ASSIGNED TAT: °C
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16 JUL '20 12:27

TAT: 3/7
 Initial: s22(1)(a)(ii)

NMI CHAIN OF CUSTODY (SAMPLE SUBMISSION) FORM

FOOD SAMPLES to be submitted to:

FOI - LEX 74807 - Documents released under the Freedom of Information Act 1982

NMI: 1/153 Bertie Street, Port Melbourne VIC 3207 Ph: 1300 722 845 email: food@measurement.gov.au

SUBMITTING PERSON: s22(1)(a)		Internal use only	
Company Name: Australian Consumers Association		NMI Quote Number: AUSC17A-TR2007V Valid until: 30/09/2020	
Address: 57 Carrington St, Marrackville, NSW 2204		LIMS Reference: QT-01471	
Contact: s22(1)(a)	Additional email(s) for report (if required):		TURN AROUND TIME REQUESTED (Working days): Standard 10 days Fast TAT 4-7 working days 25% premium Fast TAT 2-3 working days 50% premium *Fast TATs are not available for all tests and MUST be agreed to prior to sample submission
Phone: s22(1)(a)(ii)			
ABN: 72 000 281 925	Invoice email: s22(1)(a)(ii)		
Contact email: s22(1)(a)(ii)			

Purchase order required: Y / N PO Number: _____
If a PO number is required on your invoice, it must be provided at sample submission. PO's received after sample submission will not appear on final invoice

NMI LRN (Internal use only)	Prep Y/N (Internal use only)	SAMPLE TYPE (ie. Food, Water, Premix, Chemical)	SAMPLE REFERENCE (BB date, collection date, paddock number etc) *not mandatory	SAMPLE DESCRIPTION (please include all information as you would like it to appear on the report)	TESTS REQUIRED (Please tick or list required tests against samples)										OTHER (please specify)		
V20/021239		Gel	CH01	1st Care Instant Hand Sanitiser Gel 500mL													
V20/021240	DO	Gel	CH02	1st Guard Hand sanitizer 80% alcohol 575ml.													
DO	DO		CH03	No product sent													
V20/021241	NOT	Liquid	CH04	2Pure Instant Lieuqid Hand Sanitiser 300mL													
V20/021242	FILL	Gel	CH05	Aqium Antibacterial Hand Sanitiser Ultra 375mL													
V20/021243	NMI	Liquid	CH06	Archie Rose Hand Sanitiser 250mL													
V20/021244	USE	Aerosol	CH07	Ballaray Hand and household Sanitizer spray with Australian Tea Tree Oil 100mL													
V20/021245	ONLY	Liquid	CH08	Brookies Hand & surface sanitiser 500mL													
V20/021246		Liquid	CH09	Clean Plus Instant hand sanitiser 500ml.													
V20/021247	DO	Liquid	CH10	Elyptol Antimicrobial Hand Sanitiser Gel 250mL													
V20/021248	DO	Aerosol	CH11	Euca Hand Sanitiser Spray Bottle 50mL													
V20/021249	NOT	Gel	CH12	Euca Hand Gienic - Hygiene Alcohol Hand Rub 40mL													
V20/021250	FILL	Gel	CH13	I-Fresh Instant Hand Sanitiser 500mL													
V20/021251	NMI	Gel	CH14	Jaeger Australia Medi-San Antibacterial Hand Sanitiser 500mL													
V20/021252	USE	Gel	CH15	Jasol Instant Hand Sanitiser 500mL													
V20/021253	ONLY	Gel	CH16	Jasol Titan Washroom Hand Sanitiser 500mL													
V20/021254		Gel	CH17	Luca Hand Sanitiser with willflower scent 500mL													
V20/021255		Aerosol	CH18	Miaoyue 75% Alcohol Instant Hand Sanitiser 100mL													
V20/021256		Gel	CH19	My Healthstyle Instant Hand Sanitiser Gel Aloe Vera 500mL													
V20/021257		Gel	CH20	Northfork Hand Sanitiser Gel Coconut and Vanilla 500mL													
V20/021258		Aerosol	CH21	Oakwood Hand Sanitiser 100mL													
V20/021259		Gel	CH22	Oomph Instant Hand Sanitiser 500mL													
V20/021260		Gel	CH23	Orchard De Flore Wash free Instant Hand Sanitizer 500mL													
V20/021261	DO	Gel	CH24	Our Pure Planet Antibacterial Hand Sanitiser 500mL													
V20/021262	DO	Gel	CH25	Scotts Instant hand sanitiser 1000mL													
V20/021263	NOT	Gel	CH26	Scotts Instant hand sanitiser 950mL													
V20/021264	FILL	Gel	CH27	Soap 2 Go Hand Sanitiser 1000mL													
V20/021265	NMI	Gel	CH28	Woolworths Medi-pure kids Instant Hand Sanitiser 30mL													
V20/021266	USE	Gel	CH29	Swisscare Instant Hand Sanitizer 100mL													
V20/021267	ONLY	Gel	CH30	Trafalgar Antibacterial Hand Sanitiser Gel 125mL													
V20/021268		Liquid	CH31	Wheels & Barrow Liquid Sanitiser 250mL													
V20/021269		Liquid	CH32	White Knight Antibacterial Hand Sanitiser 500mL													
			CH33	No product sent													

GENERAL COMMENTS:
 (indicative vitamin levels, MSDS if required, specify
 if Low LOR required etc.)

WATER SAMPLES ONLY: Date sampled: Time Sampled	SPLIT BY: LSV FOR: FOOD COMP / TRACE-PROX / MICRO / PESTS / ANTIMIC / VOC / INVESTIGATION O/S: NSW	MICR: RECEIVED @ NMI BY: TEMP ON ARRIVAL (MICRO ONLY): DATE & TIME:	ASSIGNED TAT: 9C
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29 SEP '20 12:57

TAT: 13/10
 Initial: s 22(1)(a)(ii)



NATIONAL MEASUREMENT INSTITUTE QUOTATION

1/153 Bertie St, Port Melbourne VIC 3207

105 Delhi Rd, North Ryde NSW 2113

Quotation Number: **AUSC17A-TR2005V**
Date of Issue: **May 29, 2020**
Valid Until: **September 30, 2020**
LIMS Reference (NMI use only): **QT-02133**

Contact Name: s22(1)(a)(ii)
Company: Australian Consumers Association
ABN: 72 000 281 925
Street Address: 57 Carrington St, Marrackville, NSW 2204
Postal Address:
Telephone/Mobile: s22(1)(a)(ii)
Email address: s22(1)(a)(ii)
Invoice email address:
Customer Reference: As per your emails to s22(1)(a)(ii)
Job / Project Reference: **Analysis of Hand Sanitiser**

Dear: s 22(1)(a)(ii)

Thank you for the opportunity to quote for the analysis of

TEST	LIMIT OF REPORTING	Price Per Sample \$	GST @ 10% \$	Total Per Sample \$	Minimum sample size
HAND SANITISER					
ALCOHOLS					
Iso-propanol + Ethanol (cost per sample)	5% v/v	\$ 300.00	\$ 30.00	\$ 330.00	50mL

HANDLING FEE:	A standard Handling Fee of \$33.00 inclusive of GST (GST component \$3.00) applies per invoice.	\$33.00
MINIMUM INVOICE FEE:	A minimum Invoice of \$275 inclusive of GST applies. (Includes the \$33.00 handling fee).	\$275.00

COMMENTS & SPECIAL CONDITIONS

Iso-propanol + Ethanol

There have been instances where non-prescribed alcohols have been added to hand sanitisers as active ingredients. If they need to be identified then further charges will apply

NMI Method reference VL315. Method Reference: AOAC 18th Ed. 2005 Official Method 972.10

LORs are targets only and may be revised if samples are found to contain substances which cause interferences, or if matrix effects become apparent during analysis

Measurement Uncertainty available upon request

Please advise the laboratory if you are submitting samples to comply with regulatory or specification limits

SAMPLE DELIVERY

Please deliver samples to 1/153 Bertie St, Port Melbourne with completed sample submission (chain of custody) form (attached)

AGREED TURNAROUND TIME

Typically 10 working days from receipt at laboratory. Premiums will apply for fast TATs if available.

Fast TATs must be agreed to before dispatch of samples and requested in writing on the chain of custody / sample submission form.

Premiums applied to fast TATs: 2-3 days 50% premium 4-7 days 25% premium

QUOTED BY: s22(1)(a)(ii) - Account Manager

DATE: 29/05/2020

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NMI: 1/153 Bertie Street, Port Melbourne VIC 3207 Ph: 1300 722 845 email: food@measurement.gov.au

SUBMITTING PERSON:		Internal use only										
Company Name:	Australian Consumers Association	NMI Quote Number:	AUSC17A-TR2005V Valid until: 30/09/2020									
Address:	57 Carrington St, Marrackville, NSW 2204	LIMS Reference:	QT-02133									
Contact:	s22(1)(a)(ii)	Additional email(s) for report (if required):	TURN AROUND TIME REQUESTED (Working days): <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Standard 10 days</td> <td style="width: 10%; border: 1px solid black; text-align: center;"> </td> <td style="width: 40%;"></td> </tr> <tr> <td>Fast TAT 4-7 working days</td> <td style="border: 1px solid black; text-align: center;"> </td> <td>25% premium</td> </tr> <tr> <td>Fast TAT 2-3 working days</td> <td style="border: 1px solid black; text-align: center;"> </td> <td>50 % premium</td> </tr> </table> <p style="text-align: right; font-size: small;">*Fast TATs are not available for all tests and MUST be agreed to prior to sample submission</p>	Standard 10 days			Fast TAT 4-7 working days		25% premium	Fast TAT 2-3 working days		50 % premium
Standard 10 days												
Fast TAT 4-7 working days		25% premium										
Fast TAT 2-3 working days		50 % premium										
Phone:	s22(1)(a)(ii)											
ABN:	72 000 281 925	Invoice email:	s22(1)(a)(ii)									
Contact email:	s22(1)(a)(ii)											

Purchase order required: Y / N PO Number: _____ <small>If a PO number is required on your invoice, it must be provided at sample submission. PO's received after sample submission will not appear on final invoice</small>	TESTS REQUIRED
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NMI LRN (Internal use only)	Prep Y/N (Internal use only)	SAMPLE TYPE (ie. Food, Water, Premix, Chemical)	SAMPLE REFERENCE (BB date, collection date, paddock number etc) *not mandatory	SAMPLE DESCRIPTION (please include all information as you would like it to appear on the report)	Please list the tests required on each sample (one sample per line)	Other product specification, indicative vitamin or metals levels (not mandatory)
DO	DO					
NOT	NOT					
FILL	FILL					
NMI	NMI					
USE	USE					
ONLY	ONLY					

GENERAL COMMENTS:
(indicative vitamin levels, MSDS if required, specify if Low LOR required etc.)

When providing samples to NMI, you must give written notice of all known safety or health hazards and special procedures relevant to the handling, testing, storage, transport and disposal of samples. NMI reserves the right to refuse to conduct any test where NMI in its absolute discretion determines such testing may pose a safety or health hazard.

WATER SAMPLES ONLY:	SPLIT BY: LSU / MICI FOR: FOOD COMP / TRACE-PROX / MICRO / PESTS / ANTIMIC / VOC / INVESTIGATION O/S: NSW /	RECEIVED @ NMI BY: _____ TEMP ON ARRIVAL (MICRO ONLY): _____ °C DATE & TIME: _____	ASSIGNED TAT: _____
Date sampled:			
Time Sampled			

NMI CHEMICAL & BIOLOGICAL ANALYSIS SERVICES TERMS & CONDITIONS**1. APPLICATION**

1.1 The lodgement of an order or receipt of samples for the provision of chemical analysis services by either the Analytical Services Branch or the Chemical & Biological Metrology Branch of NMI ('Services') constitutes an acceptance of the following terms and conditions (this 'Agreement').

1.2 Each person whose signature appears on an order form or who otherwise submits an order or sample in respect of the Services, warrants and guarantees that he or she has been duly authorised and has full authority to enter into this Agreement on behalf of the party requesting the provision of the Services (the 'Client').

2. SERVICES

2.1 Unless otherwise agreed in writing and duly signed by NMI, the following terms and conditions apply to the Services conducted by NMI, resulting from engagement of NMI either by accepting a quotation and/or submission of samples to NMI. The Client agrees to be bound by and comply with these terms and conditions. Any terms and conditions you notify to NMI, will apply only if and to the extent that NMI duly executes an agreement in writing.

2.2 NMI reserves the right to review prices at any time if: (a) significant changes to its costs are incurred beyond its control i.e. changes to legislative requirements or variations in tax or excise rates; or (b) any of the assumptions set out in the quotation prove to be incorrect.

2.3 Alterations to the scope of the quoted Services (including changes to timeframe of the Services, sample numbers, limits of reporting, agreed analyte suite etc), prior to commencement of the Services, may require a review of the quotation.

2.4 Alterations to Client requirements requested after commencement of the testing process may incur an administration fee of \$33, inclusive of GST, plus charges for extra service delivery costs incurred by NMI, if any to be determined in NMI's sole discretion.

2.5 Records will be kept for the required minimum period unless otherwise requested and agreed to by NMI.

2.6 Estimations of measurement uncertainty (MU) are available upon request.

3. BUSINESS HOURS

3.1 The Services will be provided by NMI during normal business hours Monday to Friday (excluding public holidays), unless otherwise agreed.

3.2 Any Services conducted outside NMI premises will be performed Monday to Friday (excluding public holidays) between 9am and 5pm, unless otherwise agreed.

4. TURNAROUND TIMES

4.1 Any samples received after 1630 hrs Monday to Friday or on Public Holidays are deemed to have been received the following working day.

4.2 It is the Client's responsibility to ensure that NMI has access to all information and premises necessary to commence the Services as agreed.

4.3 The due date of the Services may be delayed where such information or access is not provided, or is judged by NMI to be inadequate for the Services to commence.

5. ACCOUNTS & PAYMENT

5.1 GST at the applicable rate (currently 10%) will be charged in addition to the quoted prices. NMI will issue valid tax invoices and adjustment notes as per requirements of GST legislation.

5.2 A handling fee per invoice and a minimum invoice fee will apply where applicable. The fees are stated in the quotation, otherwise the standard minimum fee, inclusive of the handling fee, is \$275 (Incl. GST). The minimum fee for submissions under the Imported Food Inspection Scheme is \$110 (Incl. GST).

5.3 The establishment of a trading account is subject to the completion and NMI's acceptance, of an account application form.

5.4 NMI reserves the right to undertake credit verification of all established accounts or to request up-front payment of the Services before the Services can commence.

5.5 Terms of payment are strictly 30 days from date of invoice.

5.6 When making a payment, the Client must quote relevant reference numbers and the invoice number.

5.7 If the Client does not make payment of NMI's invoice by the due date, NMI reserves the right to do any or all of the following:

- (a) charge interest on the outstanding amount at the rate of 2% per year above the Small Business Overdraft Rate of Westpac Bank, accruing daily; and
- (b) withhold any future deliveries pending monies due.

6. TREATMENT OF SAMPLES

6.1 Unless NMI has otherwise agreed in writing, the Client is responsible for collecting samples and for delivering samples for testing to the address nominated in the quotation.

6.2 When providing samples to NMI, the Client must give written notice of all known safety or health hazards and special procedures relevant to the handling, testing, storage, transport and disposal of samples. The Client warrants that all such information is true and correct at the time of delivery to NMI. NMI reserves the right to refuse to conduct any test where NMI in its absolute discretion determines such testing may pose a safety or health hazard.

6.3 NMI reserves the right for samples deemed hazardous by NMI to be refused and returned to the Client at the Client's expense.

6.4 Where a formal request is made, NMI may return samples to the Client, at the Client's expense. Returned items are subject to laboratory storage and processes, potentially rendering them unfit for commercial purposes or consumption.

6.5 The Client acknowledges that during conduct of the Services the samples or parts of samples may be altered, damaged, lost or destroyed. NMI shall not be liable to the Client or any third party for any samples that are altered, damaged, lost or destroyed during conduct of the Services.

6.6 The Client is responsible for ensuring that samples supplied for testing are representative of the product or material to be analysed and for retaining any duplicate or control samples.

6.7 Unless NMI has otherwise agreed in writing, NMI may in its discretion store, experiment on, destroy or dispose of samples.

6.8 Where possible a representative sample will be kept for a period of one (1) month from the date of final report. NMI will charge for costs incurred for longer term storage, or for disposal of noxious samples.

7. INTELLECTUAL PROPERTY RIGHTS

7.1 'Intellectual Property Rights' means all rights conferred under statute, common law and equity in and in relation to inventions, patents, patent applications, discoveries, registered and unregistered designs, registered and unregistered trade marks (including service marks), trade names, business names, logos and get-up, circuit layouts, confidential information (including trade secrets and know how), copyright and all other rights resulting from intellectual activity in the industrial, scientific, literary or artistic fields.

7.1 NMI will own the legal title to the final report until such time as full payment for the Services is received, beyond which time legal title in the final report will transfer to the Client.

7.2 All Intellectual Property Rights associated with sample analysis methods, processes and reports are vested, and shall remain vested, in NMI. Neither the Client nor any other party may replicate or appropriate the method or any part thereof for any use, be it commercial or otherwise, without the express written consent of NMI's General Manager or approved delegate.

8. OTHER SERVICES

In circumstances where NMI, its proprietor, its officers, employees or agents agree or are required to provide information or appear as expert witnesses as an outcome of testing undertaken at NMI an hourly fee will be charged to the Client, to be separately agreed and documented.

9. CONFIDENTIAL INFORMATION

9.1 For the purposes of the confidentiality clause below, 'Confidential Information' means all confidential, non-public or proprietary information, regardless of how the information is stored or delivered, exchanged between the parties before, on or after the date of this Agreement that:

- (a) is identified by notice in writing to the other party after the date of this Agreement as confidential information for the purpose of this Agreement;
- (b) a party knows or ought to know is confidential; or
- (c) is 'Personal Information' as defined under the Privacy Act 1988 ('Personal Information'); and

includes but is not limited to information which is:

- (d) not already in the public domain as at the date of this Agreement and does not become part of the public domain other than by breach of this Agreement;
- (e) not required to be disclosed to internal management personnel of receiver to enable effective management or auditing of Agreement related activities;

- (f) not required to be disclosed by the Commonwealth in response to a request by a House or a Committee of the Parliament of the Commonwealth;
- (g) not otherwise required by law to be disclosed.

9.2 The receiver may only use the Confidential Information for the purposes of this Agreement and must:

- (a) not disclose the Confidential Information to any other person, except to its employees and consultants who have a need to know and who are aware and expressly agree that the Confidential Information must be kept confidential;
- (b) at all times, safeguard the Confidential Information from, access and use, not authorised by this Agreement;
- (c) return the Confidential Information to the discloser on request (except as required under applicable laws); and
- (d) not make copies, adaptations, revisions, enhancements or modifications of the Confidential Information, or otherwise alter, adapt it, decompile it or reverse engineer it into any other form or media, except as required for agreed Services to be undertaken.

9.3 Each Party acknowledges and agrees that damages may be inadequate compensation for breach of this Agreement and, subject to the court's discretion, the discloser may restrain, by an injunction or similar remedy, any conduct or threatened conduct which is or will be a breach of the terms of this clause.

9.4 This clause 9 survives expiry or termination of this Agreement.

9.5 If any information, provided by one party to the other party under this Agreement includes any Personal Information, the receiving party must:

- (a) where the receiving party is specifically bound by privacy laws or data protection laws which regulate the collection, storage, use and disclosure of information, comply with those laws;
- (b) where the receiving party is not specifically bound by privacy laws or data protection laws which regulate the collection, storage, use and disclosure of information, comply with all applicable such laws as may be in force from time to time as if it were subject to those laws;
- (c) comply with any privacy code or policy which has been adopted by the disclosing party (and disclosed to the receiving party) as if it were bound by that code or policy, other than to the extent such privacy code or policy is inconsistent with the privacy code or policy as disclosed by the disclosing party;
- (d) promptly notify the disclosing party of any complaint or investigation under, or relating to, any of the laws, codes or policies referred to in paragraphs (a), (b) and (c) above; and
- (e) co-operate with the disclosing party in the resolution of any such complaint or investigation.

10. FORCE MAJEUR

10.1 NMI shall not be responsible or liable for any delay to perform any of its obligations when such delay or failure to perform any of its obligations is caused by unforeseen circumstances beyond its reasonable control and without its fault or negligence, including, without limitation, Acts of God, fire, explosion, riot, sabotage, strike or other labour dispute, shortage of materials, transportation difficulties or compliance with any order, action, governmental officer, department, agency, authority or committee thereof that renders performance impracticable or impossible for NMI.

11. LIMITATION OF LIABILITY

11.1 To the full extent permitted by law NMI and its affiliates exclude all warranties, terms, conditions or undertakings, ('terms'), whether express or implied, in relation to the Services, the report or its contents. Where any legislation implies any terms which cannot be excluded or modified then such terms shall be deemed to be included. However, (to the full extent permitted by law) NMI's liability to the Client is limited at NMI's option to the re-performance of the Service or the refund of the Service fee.

11.2 Without limiting the generality of this clause, it is agreed that, to the full extent permitted by any applicable Commonwealth, State or Territory laws having jurisdiction, neither NMI nor any of its affiliates will be liable to the Client or any other person for any loss of profits or business whether directly or indirectly incurred or any special, indirect or consequential damages arising howsoever arising or in connection with the Services or this Agreement.

11.3 The Client hereby releases and indemnifies and shall continue to release and indemnify NMI, its affiliates, officers, employees and agents from and against all actions, claims, proceedings or demands (including any costs and expenses in defending or servicing same) which may be brought or threatened against it or them, in respect of any loss, death, injury, illness or damage to persons or property, and whether direct or indirect and in respect of any infringement of any industrial or intellectual property rights, howsoever arising out of the use of the report or the Services.

11.4 It is agreed that:

- (a) the Client at its own risk uses the report and its contents and any advice, opinions or information supplied by NMI, its affiliates, officers, employees or agents; and
- (b) the Services are performed on the condition that the Client will not hold NMI, its affiliates, officers, employees or agents liable for any loss or damage howsoever arising or the use of or reliance upon the report or its contents.

11.5 Each agrees that, in entering into this Agreement, it does not do so in reliance on any representation, warranty or other provision except as expressly provided in this Agreement. It is the responsibility of the Client to make its own assessment of the suitability for any purpose of the Services, any report and its contents and any information or advice generated therefrom.

11.6 The Client will not represent in any way that NMI supports or endorses the Client's business, goods or services, without NMI's written consent. The Client will not make any press release or public statement about the Services or NMI without NMI's written consent.

12. GENERAL

12.1 This Agreement contains the entire agreement between the parties and supersedes all representations, undertakings, understandings or other statements whether written or oral made prior to the date of the lodgement of an order or receipt of samples for NMI /Order Form by and on behalf of NMI to the Client of any nature whatsoever.

12.2 The failure of either party at any time to enforce any provision of this Agreement shall in no way affect its right thereafter to require complete performance by the other party, nor shall the waiver of any breach of any provision be taken or held to be a waiver of any subsequent breach of any such provision or be a waiver of the provision itself.

12.3 If any condition, clause or provision of this Agreement, not being of a fundamental nature, be held to be unlawful or unenforceable by a court in any proceedings relating to this Agreement, the validity or enforceability of the remainder of this Agreement shall not be affected.

12.4 This Agreement is governed by the laws of New South Wales.



NATIONAL MEASUREMENT INSTITUTE QUOTATION

1/153 Bertie St, Port Melbourne VIC 3207

105 Delhi Rd, North Ryde NSW 2113

Quotation Number: **AUSC17A-TR2007V**
Date of Issue: **July 14, 2020**
Valid Until: **September 30, 2020**
LIMS Reference (NMI use only): **QT-01471**

Contact Name: s22(1)(a)(ii)
Company: Australian Consumers Association
ABN: 72 000 281 925
Street Address: 57 Carrington St, Marrackville, NSW 2204
Postal Address:
Telephone/Mobile: s22(1)(a)(ii)
Email address: s22(1)(a)(ii)
Invoice email address:
Customer Reference: As per your emails to s22(1)(a)(ii)
Job / Project Reference: **Analysis of Hand Sanitiser**

Dear: s 22(1)(a)(ii)

Thank you for the opportunity to quote for the analysis of

TEST	LIMIT OF REPORTING	Price Per Sample \$	GST @ 10% \$	Total Per Sample \$	Minimum sample size
HAND SANITISER					
ALCOHOLS					
Iso-propanol + Ethanol (cost per sample)	5% v/v	\$ 250.00	\$ 25.00	\$ 275.00	50mL

HANDLING FEE:	A standard Handling Fee of \$33.00 inclusive of GST (GST component \$3.00) applies per invoice.	\$33.00
MINIMUM INVOICE FEE:	A minimum Invoice of \$275 inclusive of GST applies. (Includes the \$33.00 handling fee).	EXEMPT

COMMENTS & SPECIAL CONDITIONS

Iso-propanol + Ethanol

There have been instances where non-prescribed alcohols have been added to hand sanitisers as active ingredients. If they need to be identified then further charges will apply

NMI Method reference VL315. Method Reference: AOAC 18th Ed. 2005 Official Method 972.10

LORs are targets only and may be revised if samples are found to contain substances which cause interferences, or if matrix effects become apparent during analysis

Measurement Uncertainty available upon request

Please advise the laboratory if you are submitting samples to comply with regulatory or specification limits

SAMPLE DELIVERY

Please deliver samples to 1/153 Bertie St, Port Melbourne with completed sample submission (chain of custody) form (attached)

AGREED TURNAROUND TIME

Typically 10 working days from receipt at laboratory. Premiums will apply for fast TATs if available.

Fast TATs must be agreed to before dispatch of samples and requested in writing on the chain of custody / sample submission form.

Premiums applied to fast TATs: 2-3 days 50% premium 4-7 days 25% premium

QUOTED BY: s22(1)(a)(ii) - Account Manager

DATE: 14/07/2020

When providing samples to NMI, the client must give written notice of all known safety or health hazards and special procedures relevant to the handling, testing, storage, transport and disposal of samples. NMI reserves the right to refuse to conduct any test where NMI in its absolute discretion determines such testing may pose a safety or health hazard.

NMI CHAIN OF CUSTODY (SAMPLE SUBMISSION) FORM

FOOD SAMPLES to be submitted to:

NMI: 1/153 Bertie Street, Port Melbourne VIC 3207 Ph: 1300 722 845 email: food@measurement.gov.au

SUBMITTING PERSON:		Internal use only										
Company Name:	Australian Consumers Association	NMI Quote Number:	AUSC17A-TR2007V Valid until: 30/09/2020									
Address:	57 Carrington St, Marrackville, NSW 2204	LIMS Reference:	QT-01471									
Contact:	s22(1)(a)(ii)	Additional email(s) for report (if required):	TURN AROUND TIME REQUESTED (Working days): <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">Standard 10 days</td> <td style="width: 10%; border: 1px solid black; height: 20px;"></td> <td style="width: 30%;"></td> </tr> <tr> <td>Fast TAT 4-7 working days</td> <td style="border: 1px solid black; height: 20px;"></td> <td>25% premium</td> </tr> <tr> <td>Fast TAT 2-3 working days</td> <td style="border: 1px solid black; height: 20px;"></td> <td>50 % premium</td> </tr> </table> <p style="text-align: right; font-size: small;">*Fast TATs are not available for all tests and MUST be agreed to prior to sample submission</p>	Standard 10 days			Fast TAT 4-7 working days		25% premium	Fast TAT 2-3 working days		50 % premium
Standard 10 days												
Fast TAT 4-7 working days		25% premium										
Fast TAT 2-3 working days		50 % premium										
Phone:	s22(1)(a)(ii)	Invoice email:										
ABN:	72 000 281 925											
Contact email:	s22(1)(a)(ii)	s22(1)(a)(ii)										

Purchase order required: Y / N PO Number: _____					TESTS REQUIRED	
If a PO number is required on your invoice, it must be provided at sample submission. PO's received after sample submission will not appear on final invoice						
NMI LRN (Internal use only)	Prep Y/N (Internal use only)	SAMPLE TYPE (ie. Food, Water, Premix, Chemical)	SAMPLE REFERENCE (BB date, collection date, paddock number etc) *not mandatory	SAMPLE DESCRIPTION (please include all information as you would like it to appear on the report)	Please list the tests required on each sample (one sample per line)	Other product specification, indicative vitamin or metals levels (not mandatory)

GENERAL COMMENTS:
(indicative vitamin levels, MSDS if required, specify if Low LOR required etc.)

When providing samples to NMI, you must give written notice of all known safety or health hazards and special procedures relevant to the handling, testing, storage, transport and disposal of samples. NMI reserves the right to refuse to conduct any test where NMI in its absolute discretion determines such testing may pose a safety or health hazard.

WATER SAMPLES ONLY:	SPLIT BY: LSU / MICI	RECEIVED @ NMI BY:	ASSIGNED TAT:
Date sampled:	FOR: FOOD COMP / TRACE-PROX / MICRO / PESTS / ANTIMIC / VOC / INVESTIGATION	TEMP ON ARRIVAL (MICRO ONLY):	_____ °C
Time Sampled	O/S: NSW /	DATE & TIME:	

NMI CHEMICAL & BIOLOGICAL ANALYSIS SERVICES TERMS & CONDITIONS**1. APPLICATION**

1.1 The lodgement of an order or receipt of samples for the provision of chemical analysis services by either the Analytical Services Branch or the Chemical & Biological Metrology Branch of NMI ('Services') constitutes an acceptance of the following terms and conditions (this 'Agreement').

1.2 Each person whose signature appears on an order form or who otherwise submits an order or sample in respect of the Services, warrants and guarantees that he or she has been duly authorised and has full authority to enter into this Agreement on behalf of the party requesting the provision of the Services (the 'Client').

2. SERVICES

2.1 Unless otherwise agreed in writing and duly signed by NMI, the following terms and conditions apply to the Services conducted by NMI, resulting from engagement of NMI either by accepting a quotation and/or submission of samples to NMI. The Client agrees to be bound by and comply with these terms and conditions. Any terms and conditions you notify to NMI, will apply only if and to the extent that NMI duly executes an agreement in writing.

2.2 NMI reserves the right to review prices at any time if: (a) significant changes to its costs are incurred beyond its control i.e. changes to legislative requirements or variations in tax or excise rates; or (b) any of the assumptions set out in the quotation prove to be incorrect.

2.3 Alterations to the scope of the quoted Services (including changes to timeframe of the Services, sample numbers, limits of reporting, agreed analyte suite etc), prior to commencement of the Services, may require a review of the quotation.

2.4 Alterations to Client requirements requested after commencement of the testing process may incur an administration fee of \$33, inclusive of GST, plus charges for extra service delivery costs incurred by NMI, if any to be determined in NMI's sole discretion.

2.5 Records will be kept for the required minimum period unless otherwise requested and agreed to by NMI.

2.6 Estimations of measurement uncertainty (MU) are available upon request.

3. BUSINESS HOURS

3.1 The Services will be provided by NMI during normal business hours Monday to Friday (excluding public holidays), unless otherwise agreed.

3.2 Any Services conducted outside NMI premises will be performed Monday to Friday (excluding public holidays) between 9am and 5pm, unless otherwise agreed.

4. TURNAROUND TIMES

4.1 Any samples received after 1630 hrs Monday to Friday or on Public Holidays are deemed to have been received the following working day.

4.2 It is the Client's responsibility to ensure that NMI has access to all information and premises necessary to commence the Services as agreed.

4.3 The due date of the Services may be delayed where such information or access is not provided, or is judged by NMI to be inadequate for the Services to commence.

5. ACCOUNTS & PAYMENT

5.1 GST at the applicable rate (currently 10%) will be charged in addition to the quoted prices. NMI will issue valid tax invoices and adjustment notes as per requirements of GST legislation.

5.2 A handling fee per invoice and a minimum invoice fee will apply where applicable. The fees are stated in the quotation, otherwise the standard minimum fee, inclusive of the handling fee, is \$275 (Incl. GST). The minimum fee for submissions under the Imported Food Inspection Scheme is \$110 (Incl. GST).

5.3 The establishment of a trading account is subject to the completion and NMI's acceptance, of an account application form.

5.4 NMI reserves the right to undertake credit verification of all established accounts or to request up-front payment of the Services before the Services can commence.

5.5 Terms of payment are strictly 30 days from date of invoice.

5.6 When making a payment, the Client must quote relevant reference numbers and the invoice number.

5.7 If the Client does not make payment of NMI's invoice by the due date, NMI reserves the right to do any or all of the following:

- (a) charge interest on the outstanding amount at the rate of 2% per year above the Small Business Overdraft Rate of Westpac Bank, accruing daily; and
- (b) withhold any future deliveries pending monies due.

6. TREATMENT OF SAMPLES

6.1 Unless NMI has otherwise agreed in writing, the Client is responsible for collecting samples and for delivering samples for testing to the address nominated in the quotation.

6.2 When providing samples to NMI, the Client must give written notice of all known safety or health hazards and special procedures relevant to the handling, testing, storage, transport and disposal of samples. The Client warrants that all such information is true and correct at the time of delivery to NMI. NMI reserves the right to refuse to conduct any test where NMI in its absolute discretion determines such testing may pose a safety or health hazard.

6.3 NMI reserves the right for samples deemed hazardous by NMI to be refused and returned to the Client at the Client's expense.

6.4 Where a formal request is made, NMI may return samples to the Client, at the Client's expense. Returned items are subject to laboratory storage and processes, potentially rendering them unfit for commercial purposes or consumption.

6.5 The Client acknowledges that during conduct of the Services the samples or parts of samples may be altered, damaged, lost or destroyed. NMI shall not be liable to the Client or any third party for any samples that are altered, damaged, lost or destroyed during conduct of the Services.

6.6 The Client is responsible for ensuring that samples supplied for testing are representative of the product or material to be analysed and for retaining any duplicate or control samples.

6.7 Unless NMI has otherwise agreed in writing, NMI may in its discretion store, experiment on, destroy or dispose of samples.

6.8 Where possible a representative sample will be kept for a period of one (1) month from the date of final report. NMI will charge for costs incurred for longer term storage, or for disposal of noxious samples.

7. INTELLECTUAL PROPERTY RIGHTS

7.1 'Intellectual Property Rights' means all rights conferred under statute, common law and equity in and in relation to inventions, patents, patent applications, discoveries, registered and unregistered designs, registered and unregistered trade marks (including service marks), trade names, business names, logos and get-up, circuit layouts, confidential information (including trade secrets and know how), copyright and all other rights resulting from intellectual activity in the industrial, scientific, literary or artistic fields.

7.1 NMI will own the legal title to the final report until such time as full payment for the Services is received, beyond which time legal title in the final report will transfer to the Client.

7.2 All Intellectual Property Rights associated with sample analysis methods, processes and reports are vested, and shall remain vested, in NMI. Neither the Client nor any other party may replicate or appropriate the method or any part thereof for any use, be it commercial or otherwise, without the express written consent of NMI's General Manager or approved delegate.

8. OTHER SERVICES

In circumstances where NMI, its proprietor, its officers, employees or agents agree or are required to provide information or appear as expert witnesses as an outcome of testing undertaken at NMI an hourly fee will be charged to the Client, to be separately agreed and documented.

9. CONFIDENTIAL INFORMATION

9.1 For the purposes of the confidentiality clause below, 'Confidential Information' means all confidential, non-public or proprietary information, regardless of how the information is stored or delivered, exchanged between the parties before, on or after the date of this Agreement that:

- (a) is identified by notice in writing to the other party after the date of this Agreement as confidential information for the purpose of this Agreement;
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- (c) is 'Personal Information' as defined under the Privacy Act 1988 ('Personal Information'); and

includes but is not limited to information which is:

- (d) not already in the public domain as at the date of this Agreement and does not become part of the public domain other than by breach of this Agreement;
- (e) not required to be disclosed to internal management personnel of receiver to enable effective management or auditing of Agreement related activities;

(f) not required to be disclosed by the Commonwealth in response to a request by a House or a Committee of the Parliament of the Commonwealth;

(g) not otherwise required by law to be disclosed.

9.2 The receiver may only use the Confidential Information for the purposes of this Agreement and must:

- (a) not disclose the Confidential Information to any other person, except to its employees and consultants who have a need to know and who are aware and expressly agree that the Confidential Information must be kept confidential;
- (b) at all times, safeguard the Confidential Information from, access and use, not authorised by this Agreement;
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- (d) not make copies, adaptations, revisions, enhancements or modifications of the Confidential Information, or otherwise alter, adapt it, decompile it or reverse engineer it into any other form or media, except as required for agreed Services to be undertaken.

9.3 Each Party acknowledges and agrees that damages may be inadequate compensation for breach of this Agreement and, subject to the court's discretion, the discloser may restrain, by an injunction or similar remedy, any conduct or threatened conduct which is or will be a breach of the terms of this clause.

9.4 This clause 9 survives expiry or termination of this Agreement.

9.5 If any information, provided by one party to the other party under this Agreement includes any Personal Information, the receiving party must:

- (a) where the receiving party is specifically bound by privacy laws or data protection laws which regulate the collection, storage, use and disclosure of information, comply with those laws;
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- (c) comply with any privacy code or policy which has been adopted by the disclosing party (and disclosed to the receiving party) as if it were bound by that code or policy, other than to the extent such privacy code or policy is inconsistent with the privacy code or policy as disclosed by the disclosing party;
- (d) promptly notify the disclosing party of any complaint or investigation under, or relating to, any of the laws, codes or policies referred to in paragraphs (a), (b) and (c) above; and
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11.2 Without limiting the generality of this clause, it is agreed that, to the full extent permitted by any applicable Commonwealth, State or Territory laws having jurisdiction, neither NMI nor any of its affiliates will be liable to the Client or any other person for any loss of profits or business whether directly or indirectly incurred or any special, indirect or consequential damages arising howsoever arising or in connection with the Services or this Agreement.

11.3 The Client hereby releases and indemnifies and shall continue to release and indemnify NMI, its affiliates, officers, employees and agents from and against all actions, claims, proceedings or demands (including any costs and expenses in defending or servicing same) which may be brought or threatened against it or them, in respect of any loss, death, injury, illness or damage to persons or property, and whether direct or indirect and in respect of any infringement of any industrial or intellectual property rights, howsoever arising out of the use of the report or the Services.

11.4 It is agreed that:

- (a) the Client at its own risk uses the report and its contents and any advice, opinions or information supplied by NMI, its affiliates, officers, employees or agents; and
- (b) the Services are performed on the condition that the Client will not hold NMI, its affiliates, officers, employees or agents liable for any loss or damage howsoever arising or the use of or reliance upon the report or its contents.

11.5 Each agrees that, in entering into this Agreement, it does not do so in reliance on any representation, warranty or other provision except as expressly provided in this Agreement. It is the responsibility of the Client to make its own assessment of the suitability for any purpose of the Services, any report and its contents and any information or advice generated therefrom.

11.6 The Client will not represent in any way that NMI supports or endorses the Client's business, goods or services, without NMI's written consent. The Client will not make any press release or public statement about the Services or NMI without NMI's written consent.

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12.2 The failure of either party at any time to enforce any provision of this Agreement shall in no way affect its right thereafter to require complete performance by the other party, nor shall the waiver of any breach of any provision be taken or held to be a waiver of any subsequent breach of any such provision or be a waiver of the provision itself.

12.3 If any condition, clause or provision of this Agreement, not being of a fundamental nature, be held to be unlawful or unenforceable by a court in any proceedings relating to this Agreement, the validity or enforceability of the remainder of this Agreement shall not be affected.

12.4 This Agreement is governed by the laws of New South Wales.

Lab Reg N	Sample Re	Description	Rec'd Date	Date Repo	NMI Rep	NAnalyte Method Units	Iso-Propan VL315 %v/v	Ethanol VL315 %v/v
V20/0212	CH01	1st Care In	29-Sep-20	27-Oct-20	RN1292011		<5	64
V20/0212	CH02	1st Guard	29-Sep-20	27-Oct-20	RN1292011		<5	81
V20/0212	CH04	2Pure Inst	29-Sep-20	27-Oct-20	RN1292011		<5	78
V20/0212	CH05	Aqium Ant	29-Sep-20	27-Oct-20	RN1292011		<5	72
V20/0212	CH06	Archie Ros	29-Sep-20	27-Oct-20	RN1292011		<5	65
V20/0212	CH07	Ballaray H	29-Sep-20	27-Oct-20	RN1292011		<5	79
V20/0212	CH08	Brookies H	29-Sep-20	27-Oct-20	RN1292011		<5	72
V20/0212	CH09	Clean Plus	29-Sep-20	27-Oct-20	RN1292011			14 62
V20/0212	CH10	Elyptol An	29-Sep-20	27-Oct-20	RN1292011		<5	73
V20/0212	CH11	Euca Hand	29-Sep-20	27-Oct-20	RN1292011		<5	71
V20/0212	CH12	Euca Hand	29-Sep-20	27-Oct-20	RN1292011		<5	76
V20/0212	CH13	I-Fresh Ins	29-Sep-20	27-Oct-20	RN1292011		<5	75
V20/0212	CH14	Jaeger Aus	29-Sep-20	27-Oct-20	RN1292011		<5	73
V20/0212	CH15	Jasol Insta	29-Sep-20	27-Oct-20	RN1292011		<5	66
V20/0212	CH16	Jasol Titan	29-Sep-20	27-Oct-20	RN1292011		<5	78
V20/0212	CH17	Luca Hand	29-Sep-20	27-Oct-20	RN1292011		<5	77
V20/0212	CH18	Miaoyue 7	29-Sep-20	27-Oct-20	RN1292011		<5	77
V20/0212	CH19	My Health	29-Sep-20	27-Oct-20	RN1292011		<5	77
V20/0212	CH20	Northfork	29-Sep-20	27-Oct-20	RN1292011			18 56
V20/0212	CH21	Oakwood	29-Sep-20	27-Oct-20	RN1292011		<5	79
V20/0212	CH22	Oomph Ins	29-Sep-20	27-Oct-20	RN1292011		<5	73
V20/0212	CH23	Orchard Di	29-Sep-20	27-Oct-20	RN1292011		<5	62
V20/0212	CH24	Our Pure P	29-Sep-20	27-Oct-20	RN1292011		<5	76
V20/0212	CH25	Scotts Inst	29-Sep-20	27-Oct-20	RN1292011		<5	72
V20/0212	CH26	Scotts Inst	29-Sep-20	27-Oct-20	RN1292011		<5	71
V20/0212	CH27	Soap 2 Go	29-Sep-20	27-Oct-20	RN1292011		<5	65
V20/0212	CH28	Woolwortl	29-Sep-20	27-Oct-20	RN1292011		<5	69
V20/0212	CH29	Swisscare	29-Sep-20	27-Oct-20	RN1292011		<5	69
V20/0212	CH30	Trafalgar A	29-Sep-20	27-Oct-20	RN1292011		<5	67
V20/0212	CH31	Wheels &	29-Sep-20	27-Oct-20	RN1292011		<5	72
V20/0212	CH32	White Knig	29-Sep-20	27-Oct-20	RN1292011		<5	52

Archived: Thursday, 11 April 2024 8:37:57 PM
From: s 22(1)(a)(ii)
Sent: Tue, 27 Oct 2020 14:25:55
To: s22(1)(a)(ii)
Subject: AUSC17-200929.csv [SEC=OFFICIAL:Sensitive]
Importance: Normal
Sensitivity: None
Attachments:
s 22(1)(a)(ii) -200929.csv;

Dear s 22(1)(a)(ii)

Attached is a copy of your CSV NMI report/s of analysis.

Thank-you for using our services at the National Measurement Institute.

If you have any enquiries regarding this report, please contact NMI on 03 9644 4888 or food@measurement.gov.au.

Kind Regards,

s22(1)(a)(ii)

LSU

Analytical Services Branch

s22(1)(a)(ii)

s22(1)(a)(ii) measurement.gov.au

1/153 Bertie Street, Port Melbourne VIC 3207

ABN 74 599 608 295



**National
Measurement
Institute**

\qc\ff0OFFICIAL:Sensitive

From: s 22(1)(a)(ii)
Sent: Tue, 27 Oct 2020 14:14:34
To: s22(1)(a)(ii)
Subject: Emailing: rn1292011 [SEC=OFFICIAL:Sensitive]
Importance: Normal
Sensitivity: None
Attachments: rn1292011.pdf;
Archived: Thursday, 11 April 2024 8:39:16 PM

Dear All,
Attached is a copy of your latest NMI report/s of analysis.
Thank-you for using our services at the National Measurement Institute.
If you have any enquiries regarding this report, please contact NMI on 03 9644 4888 or
food@measurement.gov.au.

Kind Regards,

s22(1)(a)(ii)

LSU

Analytical Services Branch

s22(1)(a)(ii)

s22(1)(a)(ii) measurement.gov.au

1/153 Bertie Street, Port Melbourne VIC 3207

ABN 74 599 608 295

OFFICIAL:Sensitive

Archived: Thursday, 11 April 2024 8:42:45 PM

From: s22(1)(a)(ii)

Sent: Wed, 27 May 2020 17:07:47

To: s22(1)(a)(ii)

Cc: s22(1)(a)(ii)

Subject: FW: FW: Request for testing quote - alcoholic content of sanitiser [SEC=UNCLASSIFIED]

Importance: Normal

Sensitivity: None

Attachments:

[image003.png](#); [image007.jpg](#); [image008.jpg](#); [image009.jpg](#); [image002.png](#);

Hello s22(1)(a)(ii)

Sorry about the information provided to you by the reception.

Would you please provide a contact number to further discuss this matter or please call me on s22(1)(a)(ii) .

The responses for your questions are below except price, which we can discuss.

Kind regards,

s22(1)
(a)(ii)

s 22(1)(a)(ii)

Officer In Charge

Analytical Services | National Measurement Institute

s22(1)(a)(ii)

s22(1)(a)(ii) measurement.gov.au

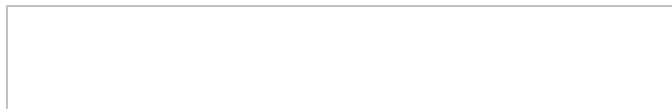
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From: s22(1)(a)(ii) [mailto:s22(1)(a)(ii)]

Sent: Wednesday, 27 May 2020 3:00 PM

To: s22(1)(a)(ii) <s22(1)(a)(ii) measurement.gov.au> FOI - EX 74907 - Documents released under the Freedom of Information Act 1982
Cc: s22(1)(a)(ii) <s22(1)(a)(ii) measurement.gov.au>; s22(1)(a)(ii) <s22(1)(a)(ii) measurement.gov.au>; s22(1)(a)(ii) <s22(1)(a)(ii) measurement.gov.au>; s22(1)(a)(ii) <s22(1)(a)(ii) measurement.gov.au>;
Subject: Re: FW: Request for testing quote - alcoholic content of sanitiser [SEC=UNCLASSIFIED]

Hi s22(1)(a)(ii)

Thanks for getting back to us.

Your contact on the 1800 phonenumber has directed us to Intertek, but we would prefer to go through NMI.

We would like to ascertain the ethyl alcohol percentage content of a [sample of sanitiser](#) we have. Could you let us know;

- how much sample you require - **If possible a sealed full container due to the volatility of ethanol**
- in what condition you require it sent to NMI - **If it is a sealed container it can be by post with safe packaging**
- what the turnaround period would be - **Depending on how urgent it is**
- how the data would be supplied to us - **on a format of a report of analysis**
- how much the testing would cost - **Depending on the sample numbers if it is a single sample we have to perform all the QC for it therefore it will be a minimum charge**

Kind regards,

s22(1)(a)(ii)

s22(1)(a)(ii)

Director, Reviews and Testing

s22(1)(a)(ii)

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On Wed, 27 May 2020 at 14:44, s22(1)(a)(ii) <s22(1)(a)(ii) measurement.gov.au> wrote:

Hello s22(1)(a)(ii)

As per your inquiry NMI is able to assist with the measurements of alcohol type and content in sanitisers.

Our method is validated and currently with NATA pending accreditation.

Depending your requirements happy to discuss the turnaround time and required reporting format.

Please get back to me if you wish to proceed.

Kind regards,

s22(1)
(a)(ii)

s 22(1)(a)(ii)

Officer In Charge

Analytical Services | National Measurement Institute

s22(1)(a)(ii)

s22(1)(a)(ii) measurement.gov.au

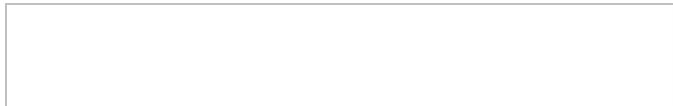
1/153 Bertie Street

Port Melbourne

Victoria 3207

ABN 74 599 608 295

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\qcUNCLASSIFIED

\qcUNCLASSIFIED

From: Covid19

Sent: Wednesday, 27 May 2020 12:04 PM

To: s22(1)(a)(ii) <s22(1)(a)(ii)>

Cc: Covid19 <Covid19@measurement.gov.au>; s22(1)(a)(ii) <s22(1)(a)(ii)> measurement.gov.au; s22(1)(a)(ii) <s22(1)(a)(ii)> measurement.gov.au>

Subject: RE: Request for testing quote - alcoholic content of sanitiser [SEC=UNCLASSIFIED]

Dear s22(1)(a)(ii)

Thank you for contacting NMI regarding testing hand sanitisers for alcohol content.

NMI would be happy to help you with your hand sanitiser testing needs. I have forwarded your enquiry to my colleagues s22(1)(a)(ii) and s22(1)(a)(ii) (both cc'd), from the Analytical Services team. One of them will be in contact with you shortly to further discuss hand sanitiser testing.

Kind regards,

s22(1)(a)(ii)

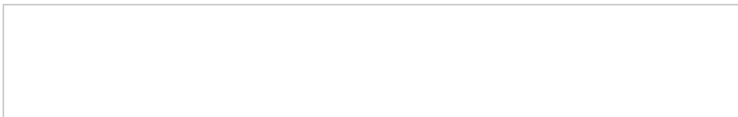
Department of Industry, Science, Energy and Resources

Covid19@measurement.gov.au

PO Box 2013, Canberra ACT 2601

\intbl

National Measurement Institute | www.measurement.gov.au



\qcUNCLASSIFIED

From: s22(1)(a)(ii) [[mailto:s22\(1\)\(a\)\(ii\)](mailto:s22(1)(a)(ii))]
Sent: Wednesday, 27 May 2020 8:51 AM
To: Information Mailbox <info@measurement.gov.au>
Subject: Request for testing quote - alcoholic content of sanitiser

Hi there,

We are trying to get a quote on the alcoholic content of a sanitiser that was available on the retail consumer market for a brief period of time.

While we have a hydrometer, we are unable to conduct the test as it is a gel like substance like most sanitisers.

Would it be possible to get an understanding on whether NMI can conduct this test, how long it would

take, what format the results of the testing would be supplied and how much it would cost?

Kind regards,

s22(1)(a)(ii)

Image removed by sender.

Image removed by sender. \qc

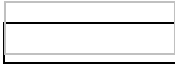
s22(1)(a)(ii)

Director, Reviews and Testing

s22(1)(a)(ii)

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\qcUNCLASSIFIED

Archived: Thursday, 11 April 2024 8:43:01 PM

From: s22(1)(a)(ii)

To: [NMI-LSU-VIC](#)

Subject: FW: Regarding Testing [DLM=For-Official-Use-Only]

Importance: Normal

Sensitivity: None

Attachments:

[AUSC17A-TR2007V_CHOICE \(Testing of 30 Hand Sanitisers\).xlsx](#);

Hi all,

Please see below and attached a COC for samples coming from Choice.

Regards,

s22(1)(a)(ii)

\qcFor Official Use Only

From: s22(1)(a)(ii)

Sent: Wednesday, 15 July 2020 11:26 AM

To: s22(1)(a)(ii) <s22(1)(a)(ii)> NMIVIC COC <NMIVICCOCC@measurement.gov.au>

Cc: s22(1)(a)(ii) <s22(1)(a)(ii)> measurement.gov.au; s22(1)(a)(ii) <s22(1)(a)(ii)> measurement.gov.au;

s22(1)(a)(ii) <s22(1)(a)(ii)> measurement.gov.au

Subject: RE: Regarding Testing [DLM=For-Official-Use-Only]

Hi s22(1)(a)(ii)

Thanks for letting us know. We will let our sample receipt team know that you have requested a 10 working day Turnaround.

Kind Regards,

s22(1)(a)(ii)

Acting Business Development Manager

Analytical Services Branch

P: +61 3 9644 4888 [reception] | s22(1)(a)(ii)

| P: 1300 722 845 [hotline]

s22(1)(a)(ii) measurement.gov.au



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From: s22(1)(a)(ii) [mailto:s22(1)(a)(ii)]
Sent: Tuesday, 14 July 2020 4:40 PM
To: s22(1)(a)(ii) <s22(1)(a)(ii)@measurement.gov.au>; NMIVIC COC <NMIVICCOCC@measurement.gov.au>
Cc: s22(1)(a)(ii) <s22(1)(a)(ii)@measurement.gov.au>; s22(1)(a)(ii) <s22(1)(a)(ii)@measurement.gov.au>; s22(1)(a)(ii) <s22(1)(a)(ii)@measurement.gov.au>
Subject: Re: Regarding Testing [DLM=For-Official-Use-Only]

Thanks s22(1)(a)(ii) We'll send them through tomorrow - in the meantime the COC is attached.

We're fine with the 10 day turnaround (for some reason my Excel won't let me enter anything into the Square set aside for the turnaround period).

Kind regards,

s22(1)(a)(ii)

s22(1)(a)(ii)

Director, Reviews and Testing

s22(1)(a)(ii)

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On Tue, 14 Jul 2020 at 15:01, s22(1)(a)(ii) <s22(1)(a)(ii)@measurement.gov.au> wrote:

Hi Matthew,

\sb100

\sb100Thank you for sending in your samples to NMI for analysis. Please find attached an updated NMI Quote with the pricing as indicated by ^{s22(1)(a)(ii)}

\sb100

\sb100Attached to the quote is a sample submission (chain of custody) form for you to complete and return with each batch of samples submitted. Also attached is an excel copy of the COC for your ease of use. Once ready to submit samples please also send the excel copy of the COC through to NMIVICCOC@measurement.gov.au to expedite the registration process of your samples.

\sb100

\sb100Please note that when providing samples to NMI, you must give written notice of all known safety or health hazards and special procedures relevant to the handling, testing, storage, transport and disposal of samples, this includes provisions of safety data sheets (SDSs). When providing a hazardous chemical to NMI a current safety data sheet (SDS) for the hazardous chemical must also be provided. When providing a hazardous chemical to NMI the sample container must be labelled in accordance with the GHS (product identifier and hazard pictogram). NMI reserves the right to refuse to conduct any test where NMI in its absolute discretion determines such testing may pose a safety or health hazard.

\sb100

\sb100If you have any questions please do not hesitate to contact me.

\sb100

\sb100Kind Regards,

^{s22(1)(a)(ii)}

Account Manager

Analytical Services Branch

P: ^{s22(1)(a)(ii)} s 22(1)(a)(ii) [reception]

P: ^{s22(1)(a)(ii)} s 22(1)(a)(ii) [hotline]

^{s22(1)(a)(ii)} measurement.gov.au

\intb1

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From: s22(1)(a)(ii) [mailto:s22(1)(a)(ii)]
Sent: Tuesday, 14 July 2020 2:54 PM
To: s22(1)(a)(ii) <s22(1)(a)(ii)> measurement.gov.au>
Cc: s22(1)(a)(ii) <s22(1)(a)(ii)> measurement.gov.au; s22(1)(a)(ii) <s22(1)(a)(ii)> measurement.gov.au;
s22(1)(a)(ii) <s22(1)(a)(ii)> measurement.gov.au>
Subject: Re: Regarding Testing [SEC=UNCLASSIFIED]

Thanks s22(1)(a)(ii) that's really appreciated.

We probably won't be including any more samples beyond the current 30.

Kind regards,

s22(1)(a)(ii)

s22(1)(a)(ii)

Director, Reviews and Testing

s22(1)(a)(ii)

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On Tue, 14 Jul 2020 at 14:50, s22(1)(a)(ii) <s22(1)(a)(ii)> measurement.gov.au wrote:

Hello s22(1)(a)(ii)

We will provide you with a quote at a discounted price of \$250 per sample. If you wish to extend the sample numbers to make the survey a bit broader, based on this price you are welcome.

Kind regards,

s22(1)(a)(ii)

Dr s22(1)(a)(ii)

Officer In Charge

Analytical Services | National Measurement Institute

s22(1)(a)(ii)

s22(1)(a)(ii) measurement.gov.au

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Port Melbourne

Victoria 3207

ABN 74 599 608 295

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From: s22(1)(a)(ii) [mailto:s22(1)(a)(ii)]
Sent: Tuesday, 14 July 2020 2:04 PM
To: s22(1)(a)(ii) <s22(1)(a)(ii)@measurement.gov.au>
Cc: s22(1)(a)(ii) <s22(1)(a)(ii)@measurement.gov.au>; s22(1)(a)(ii) <s22(1)(a)(ii)@measurement.gov.au>; s22(1)(a)(ii) <s22(1)(a)(ii)@measurement.gov.au>
Subject: Re: Regarding Testing [SEC=UNCLASSIFIED]

Hi s22(1)(a)(ii)

We have got all 30 samples we want to send to NMI for testing.

They are boxed and ready to go.

Could you send me the appropriate documentation you require filled out for activating the testing?

Kind regards,

s22(1)(a)(ii)

s22(1)(a)(ii)

Director, Reviews and Testing

s22(1)(a)(ii)

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On Tue, 30 Jun 2020 at 15:00, s22(1)(a)(ii) <s22(1)(a)(ii)> used under the Freedom of Information Act 1982
measurement.gov.au wrote:

Hello s22(1)(a)(ii)

We will aim at getting the results for you in 10 days.

Please keep me and s22(1)(a)(ii) informed of dates you expect to submit samples.

Kind regards,

s22(1)(a)(ii)

Dr s22(1)(a)(ii)

Officer In Charge

Analytical Services | National Measurement Institute

s22(1)(a)(ii)

s22(1)(a)(ii) measurement.gov.au

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Port Melbourne

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ABN 74 599 608 295

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From: s22(1)(a)(ii) [mailto:s22(1)(a)(ii)]
Sent: Tuesday, 30 June 2020 2:07 PM
To: s22(1)(a)(ii) <s22(1)(a)(ii)> measurement.gov.au>
Subject: Re: Regarding Testing [SEC=UNCLASSIFIED]

Thank you s22(1)(a)(ii)

We are ordering a selection of hand sanitisers through national retailers at the moment to see what is suitable to send through.

There may be up to 30 samples.

Would this volume be problematic over a 10 working day period to test?

s22(1)(a)(ii)

s22(1)(a)(ii)

Director, Reviews and Testing

s22(1)(a)(ii)

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[redacted] qc

[redacted]

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On Mon, 29 Jun 2020 at 09:33, s22(1)(a)(ii) <s22(1)(a)(ii)@measurement.gov.au> wrote:

Good Morning s22(1)(a)(ii)

Yes you are correct, this can be a clue – at 70-80% alcohol it should evaporate rapidly.

Kind regards,

s22(1)(a)(ii)

s 22(1)(a)(ii)

Officer In Charge

Analytical Services | National Measurement Institute

s22(1)(a)(ii)

s22(1)(a)(ii) measurement.gov.au

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From: s22(1)(a)(ii) [mailto:s22(1)(a)(ii)]

Sent: Monday, 29 June 2020 9:28 AM

To: s22(1)(a)(ii) <s22(1)(a)(ii)@measurement.gov.au>

Subject: Re: Regarding Testing [SEC=UNCLASSIFIED]

Hi s22(1)(a)(ii)

One of the elements of the hand sanitisers I've noticed that make me suspect they are less ethanol is the

noticeable stickiness left on the fingers after rubbing it on the hands.

A proper amount of ethanol tends to make it evaporate off the hands quickly.

Is this something that NMI has noticed? Is this an indicator that perhaps consumers could use to ask us to test a product further?

s22(1)(a)(ii)

_____qc

s22(1)(a)(ii)

Director, Reviews and Testing

s22(1)(a)(ii)

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On Sun, 28 Jun 2020 at 09:32, s22(1)(a)(ii) <s22(1)(a)(ii)> wrote:

Thanks s22(1)(a)(ii)

We're considering a further test of sanitisers on the market. I just have to consider other suspect sanitisers to test, to find out which ones are worth testing.

Kind regards

s22(1)(a)(ii)

_____qc

s22(1)(a)(ii)

Director, Reviews and Testing

s22(1)(a)(ii)

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On Fri, 26 Jun 2020 at 12:55,

s22(1)(a)(ii)

s22(1)(a)(ii)

for the Freedom of Information Act 1982
measurement.gov.au wrote:

Hello

s22(1)(a)(ii)

You inquired about further testing of hand sanitisers. I am not sure if my message got to you because I was not at work that day. As stated, for CHOIC we will stick to the same charges and if you have 5-10 samples we will provide you a further discount.

Kind regards,

s22(1)(a)(ii)

s 22(1)(a)(ii)

Officer In Charge

Analytical Services | National Measurement Institute

s22(1)(a)(ii)

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\qcFor Official Use Only

\qcFor Official Use Only

s22(1)(a)(ii)

From: s22(1)(a)(ii) [mailto:s22(1)(a)(ii)]
 Sent: Tuesday, 11 August 2020 1:35 PM
 To: s22(1)(a)(ii) <s22(1)(a)(ii)@measurement.gov.au>
 Cc: s22(1)(a)(ii) <s22(1)(a)(ii)@measurement.gov.au>; s22(1)(a)(ii) <s22(1)(a)(ii)@measurement.gov.au>; s22(1)(a)(ii) <s22(1)(a)(ii)@measurement.gov.au>; s22(1)(a)(ii) <s22(1)(a)(ii)@measurement.gov.au>; s22(1)(a)(ii) <airedale@choice.com.au>; s22(1)(a)(ii) <s22(1)(a)(ii)@measurement.gov.au>; s22(1)(a)(ii) <s22(1)(a)(ii)@measurement.gov.au>; s22(1)(a)(ii) <s22(1)(a)(ii)@measurement.gov.au>; s 22(1)(a)(ii) @measurement.gov.au; s 22(1)(a)(ii) @measurement.gov.au; s 22(1)(a)(ii) @measurement.gov.au; s 22(1)(a)(ii) @measurement.gov.au
 Subject: Re: Regarding Testing [SEC=UNCLASSIFIED]

Thanks s22(1)(a)(ii)

We'll start collecting the samples.

I've attached the research recently carried out that was sent through by our verifier. Interesting for a single paper.

s22(1)(a)(ii)

s22(1)(a)(ii)
 Director, Reviews and Testing
 s22(1)(a)(ii)
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 [Redacted]

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On Tue, 11 Aug 2020 at 13:12, s22(1)(a)(ii) <s22(1)(a)(ii)@measurement.gov.au> wrote:

Hello s22(1)(a)(ii)

Yes we are very keen to take part in this. I have spoken to our General Manager s22(1)(a)(ii) and he is happy to provide the same pricing and include methanol as well to address some of the recent US product concerns.

Please call me to discuss the comments you wish to be included for the previous samples based on high end and low end results and the WHO guidelines.

Kind regards,

s22(1)

s 22(1)(a)(ii)

Officer In Charge

Analytical Services | National Measurement Institute

s22(1)(a)(ii)

s22(1)(a)(ii) measurement.gov.au

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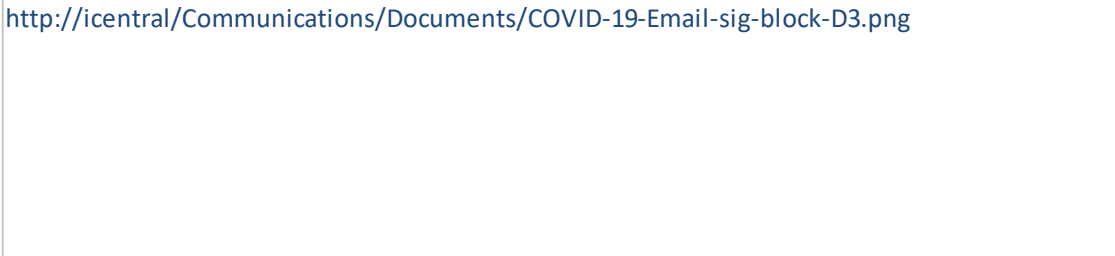
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From: s22(1)(a)(ii) [mailto:s22(1)(a)(ii)]
Sent: Tuesday, 11 August 2020 1:00 PM
To: s22(1)(a)(ii) <s22(1)(a)(ii)> measurement.gov.au
Cc: s22(1)(a)(ii) <s22(1)(a)(ii)> measurement.gov.au; s22(1)(a)(ii) <s22(1)(a)(ii)> measurement.gov.au; s22(1)(a)(ii) <s22(1)(a)(ii)> choice.com.au
Subject: Re: Regarding Testing [SEC=UNCLASSIFIED]

Hi s22(1)(a)(ii)

We are considering a third batch of hand sanitisers (code 186052).

The numbers would be equal to the last batch, 30 samples.

Does NMI still have availability for this testing at the same pricing?

I have cc'd s22(1)(a)(ii) who will mostly be project managing this test.

Kind regards,

s22(1)(a)(ii)

Director, Reviews and Testing

s22(1)(a)(ii)

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_____qc

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On Tue, 14 Jul 2020 at 15:05, s22(1)(a)(ii) <s22(1)(a)(ii)@measurement.gov.au> wrote:

That's Fine

Kind regards,

s22(1)(a)(ii)

s 22(1)(a)(ii)

Officer In Charge

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s22(1)(a)(ii)

s22(1)(a)(ii) measurement.gov.au

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Port Melbourne

Victoria 3207

ABN 74 599 608 295

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From: s22(1)(a)(ii) [mailto:s22(1)(a)(ii)]
Sent: Tuesday, 14 July 2020 2:54 PM
To: s22(1)(a)(ii) <s22(1)(a)(ii)@measurement.gov.au>
Cc: s22(1)(a)(ii) <s22(1)(a)(ii)@measurement.gov.au>; s22(1)(a)(ii) <s22(1)(a)(ii)@measurement.gov.au>; s22(1)(a)(ii) <s22(1)(a)(ii)@measurement.gov.au>;
Subject: Re: Regarding Testing [SEC=UNCLASSIFIED]

Thanks ^{s22(1)(a)(ii)} that's really appreciated. FOI - LEX 74807 - Documents released under the Freedom of Information Act 1982

We probably won't be including any more samples beyond the current 30.

Kind regards,

^{s22(1)(a)(ii)}

^{s22(1)(a)(ii)}

Director, Reviews and Testing

^{s22(1)(a)(ii)}

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On Tue, 14 Jul 2020 at 14:50, ^{s22(1)(a)(ii)} <^{s22(1)(a)(ii)} measurement.gov.au> wrote:

^{s22(1)(a)(ii)}
Hello

We will provide you with a quote at a discounted price of \$250 per sample. If you wish to extend the sample numbers to make the survey a bit broader, based on this price you are welcome.

Kind regards,

^{s22(1)(a)(ii)}

^{s22(1)(a)(ii)}

Officer In Charge

Analytical Services | National Measurement Institute

^{s22(1)(a)(ii)}

^{s22(1)(a)(ii)} measurement.gov.au

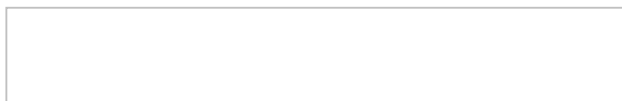
1/153 Bertie Street

Port Melbourne

Victoria 3207

ABN 74 599 608 295

National Measurement Institute | www.measurement.gov.au



^{s22(1)(a)(ii)} The department acknowledges the traditional owners of the country throughout Australia and

From: s22(1)(a)(ii) [mailto:s22(1)(a)(ii)]
Sent: Tuesday, 14 July 2020 2:04 PM
To: s22(1)(a)(ii) <s22(1)(a)(ii)> <s22(1)(a)(ii)> measurement.gov.au>
Cc: s22(1)(a)(ii) <s22(1)(a)(ii)> <s22(1)(a)(ii)> measurement.gov.au>; s22(1)(a)(ii) <s22(1)(a)(ii)> measurement.gov.au>; s22(1)(a)(ii) <s22(1)(a)(ii)> measurement.gov.au>
Subject: Re: Regarding Testing [SEC=UNCLASSIFIED]

Hi s22(1)(a)(ii)

We have got all 30 samples we want to send to NMI for testing.

They are boxed and ready to go.

Could you send me the appropriate documentation you require filled out for activating the testing?

Kind regards,

s22(1)(a)(ii)

s22(1)(a)(ii)

Director, Reviews and Testing

s22(1)(a)(ii)

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57 Carrington Rd, Marrickville NSW 2204, Australia

_____ | qc

_____ | _____ | _____ | _____ | _____

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On Tue, 30 Jun 2020 at 15:00, s22(1)(a)(ii) <s22(1)(a)(ii)> measurement.gov.au wrote:

Hello s22(1)(a)(ii)

We will aim at getting the results for you in 10 days.

Please keep me and s22(1)(a)(ii) informed of dates you expect to submit samples.

Kind regards,

s22(1)(a)(ii)

s 22(1)(a)(ii)

Officer In Charge

Analytical Services | National Measurement Institute

s22(1)(a)(ii)

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From: s22(1)(a)(ii) [mailto:s22(1)(a)(ii)]
Sent: Tuesday, 30 June 2020 2:07 PM
To: s22(1)(a)(ii) <s22(1)(a)(ii)@measurement.gov.au>
Subject: Re: Regarding Testing [SEC=UNCLASSIFIED]

Thank you s22(1)(a)(ii)

We are ordering a selection of hand sanitisers through national retailers at the moment to see what is suitable to send through.

There may be up to 30 samples.

Would this volume be problematic over a 10 working day period to test?

s22(1)(a)(ii)

_____ \qc

s22(1)(a)(ii)

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s22(1)(a)(ii)

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On Mon, 29 Jun 2020 at 09:33, s22(1)(a)(ii) <s22(1)(a)(ii)@measurement.gov.au> wrote:

Good Morning s22(1)(a)(ii)

Yes you are correct, this can be a clue – at 70-80% alcohol it should evaporate rapidly.

Kind regards,

Saman

s 22(1)(a)(ii)

Officer In Charge

Analytical Services | National Measurement Institute

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From: s22(1)(a)(ii) [mailto:s22(1)(a)(ii)]
Sent: Monday, 29 June 2020 9:28 AM
To: s22(1)(a)(ii) <s22(1)(a)(ii)@measurement.gov.au>
Subject: Re: Regarding Testing [SEC=UNCLASSIFIED]

Hi s22(1)(a)(ii)

One of the elements of the hand sanitisers I've noticed that make me suspect they are less ethanol is the noticeable stickiness left on the fingers after rubbing it on the hands.

A proper amount of ethanol tends to make it evaporate off the hands quickly.

Is this something that NMI has noticed? Is this an indicator that perhaps consumers could use to ask us to test a product further?

s22(1)(a)(ii)

_____qc

s22(1)(a)(ii)

Director, Reviews and Testing

s22(1)(a)(ii)

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On Sun, 28 Jun 2020 at 09:32, s22(1)(a)(ii) <s22(1)(a)(ii)> wrote:

Thanks s22(1)(a)(ii)

We're considering a further test of sanitisers on the market. I just have to consider other suspect sanitisers to test, to find out which ones are worth testing.

Kind regards

s22(1)(a)(ii)

_____ qc

s22(1)(a)(ii)

Director, Reviews and Testing

s22(1)(a)(ii)

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On Fri, 26 Jun 2020 at 12:55, s22(1)(a)(ii) <s22(1)(a)(ii)> measurement.gov.au wrote:

Hello s22(1)(a)(ii)

You inquired about further testing of hand sanitisers. I am not sure if my message got to you because I was not at work that day. As stated, for CHOIC we will stick to the same charges and if you have 5-10 samples we will provide you a further discount.

Kind regards,

s22(1)(a)(ii)

s 22(1)(a)(ii)

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Inactivation of Severe Acute Respiratory Syndrome Coronavirus 2 by WHO-Recommended Hand Rub Formulations and Alcohols

Annika Kratzel, Daniel Todt, Philip V'kovski, Silvio Steiner, Mitra Gultom, Tran Thi Nhu Thao, Nadine Ebert, Melle Holwerda, Jörg Steinmann, Daniela Niemeyer, Ronald Dijkman, Günter Kampf, Christian Drosten, Eike Steinmann, Volker Thiel, Stephanie Pfaender

Infection control instructions call for use of alcohol-based hand rub solutions to inactivate severe acute respiratory syndrome coronavirus 2. We determined the virucidal activity of World Health Organization–recommended hand rub formulations, at full strength and multiple dilutions, and of the active ingredients. All disinfectants demonstrated efficient virus inactivation.

Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) is the third highly pathogenic human coronavirus to cross the species barrier into the human population during the past 20 years (1–3). SARS-CoV-2 infection is associated with coronavirus disease (COVID-19), which is characterized by severe respiratory distress, fever, and cough and high rates of mortality, especially in older persons and those with underlying health conditions (3). The World Health Organization (WHO) declared SARS-CoV-2 a pandemic on March 11, 2020 (4), and by April 8, a total of 1,447,466 confirmed cases and

83,471 deaths from SARS-CoV-2 had been reported worldwide (5).

Human-to-human transmission of SARS-CoV-2 is efficient, and infected persons can transmit the virus even when they have no, or only mild, symptoms (3). Because no antiviral drugs or vaccines are available, virus containment and prevention of infection are the current highest priorities. To limit virus spread, effective hand hygiene is crucial. Therefore, easily available but efficient disinfectants are needed. WHO's guidelines for hand hygiene in healthcare suggest 2 alcohol-based formulations for hand sanitization to reduce the infectivity and spread of pathogens (6). WHO's recommendations are based on fast-acting, broad-spectrum microbicidal activity, along with accessibility and safety. The original WHO formulations failed to meet the efficacy requirements of European Norm 1500 in previous tests (7). However, Suchomel et al. (8) suggested modified versions with increased concentrations of ethanol: 80% (wt/wt) (85.5% [vol/vol]; formulation I), or isopropanol, 75% (wt/wt) (81.3% [vol/vol]; formulations II). Later, they complemented these by reducing the glycerol concentrations (9).

We previously showed that these modified WHO formulations were able to inactivate severe acute respiratory syndrome coronavirus (SARS-CoV) and Middle East respiratory syndrome coronavirus (MERS-CoV; 10), which are related to SARS-CoV-2. Current recommendations to inactivate SARS-CoV-2 were translated from findings of other coronaviruses (11). To evaluate whether these alcohol-based disinfectants also effectively inactivate SARS-CoV-2, we tested different concentrations of the original and modified WHO formulations I and II (6,9), ethanol, and 2-propanol for virucidal activity.

Institute of Virology and Immunology, Bern and Mittelhäusern, Switzerland (A. Kratzel, P. V'kovski, S. Steiner, M. Gultom, T.T.N. Thao, N. Ebert, M. Holwerda, R. Dijkman, V. Thiel); University of Bern, Bern (A. Kratzel, P. V'kovski, S. Steiner, M. Gultom, T.T.N. Thao, N. Ebert, M. Holwerda, R. Dijkman, V. Thiel); Ruhr University Bochum, Germany (D. Todt, E. Steinmann, S. Pfaender); Institute of Medical Microbiology, University Hospital of Essen, Essen, Germany (J. Steinmann); Institute of Clinical Hygiene, Medical Microbiology and Infectiology General Hospital Nürnberg, Paracelsus Medical University, Nürnberg, Germany (J. Steinmann); Institute of Virology, Charité Berlin, Berlin, Germany (D. Niemeyer, C. Drosten); Institute for Hygiene and Environmental Medicine, University Medicine Greifswald, Greifswald, Germany (G. Kampf)

DOI: <https://doi.org/10.3201/eid2607.200915>

The Study

We propagated SARS-CoV-2 (SARS-CoV-2/München-1.1/2020/929) on VeroE6 cells (kindly provided by M. Müller and C. Drosten; Charité, Berlin, Germany). We cultured VeroE6 cells in Dulbecco’s modified minimal essential medium supplemented with 10% heat inactivated fetal bovine serum, 1% nonessential amino acids, 100 µg/mL of streptomycin and 100 IU/mL of penicillin, and 15 mMol of HEPES (Gibco; ThermoFisher, <https://www.thermofisher.com>).

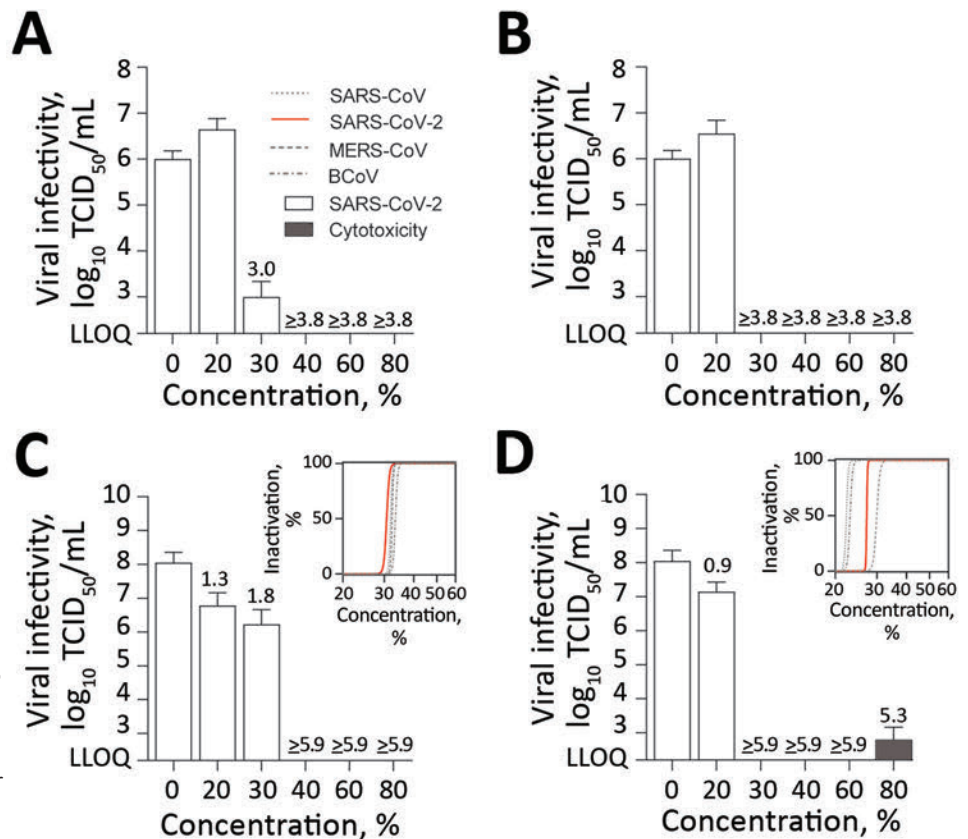
Original WHO formulation I consists of 80% (vol/vol) ethanol, 1.45% (vol/vol) glycerol, and 0.125% (vol/vol) hydrogen peroxide. Original WHO formulation II consists of 75% (vol/vol) 2-propanol, 1.45% (vol/vol) glycerol, and 0.125% (vol/vol) hydrogen peroxide. The modified WHO formulation I used in our study consists of 80% (wt/wt) ethanol, 0.725% (vol/vol) glycerol, and 0.125% (vol/vol) hydrogen peroxide. The modified isopropyl-based WHO formulation II contains 75% (wt/wt) 2-propanol, 0.725% (vol/vol) glycerol, and 0.125% (vol/vol) hydrogen peroxide (9). We also prepared ethanol (CAS 64-17-5) and

2-propanol (CAS 67-63-0) in vol/vol dilutions for investigation.

We performed virucidal activity studies by using a quantitative suspension test with 30 s exposure time (6). In brief, we mixed 1 part virus suspension with 1 part organic load (0.3% bovine serum albumin as an interfering substance) and 8 parts disinfectant solution of different concentrations. After a 30 s exposure, we serially diluted samples and determined the 50% tissue culture infectious dose (TCID₅₀) per milliliter by using crystal violet staining and subsequently scoring the number of wells displaying cytopathic effects. We calculated TCID₅₀ by the Spearman-Kärber algorithm, as described (12). We monitored the cytotoxic effects of disinfectants by using crystal violet staining and optical analysis for altered density and morphology of the cellular monolayer in the absence of virus. We quantified cytotoxic effects analogous to the TCID₅₀/mL of the virus infectivity.

We determined dose-response curves as percent normalized virus inactivation versus percent log disinfectant concentration by nonlinear

Figure 1. Virucidal activity of original and modified World Health Organization (WHO)–recommended hand rub formulations I and II for inactivating severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2). The means of 3 independent experiments with SDs (error bars) and percentage of inactivation at different concentrations are shown. A) WHO original formulation I; B) WHO original formulation II; C) WHO modified formulation I; D) WHO modified formulation II. Insets in panels C and D show regression analyses of the inactivation of coronaviruses. Dark gray bar shows cytotoxic effects, calculated analogous to virus infectivity. Reduction factors are included above the bar. Dilutions of the WHO formulations ranged from 0–80% with an exposure time of 30 s. Viral titers are displayed as TCID₅₀/mL values. BCoV, bovine coronavirus; LLOQ, lower limit of quantification; MERS-CoV, Middle East respiratory syndrome coronavirus; SARS-CoV, severe acute respiratory syndrome coronavirus; SARS-CoV-2, severe acute respiratory syndrome coronavirus 2; TCID₅₀/mL, 50% tissue culture infectious dose.



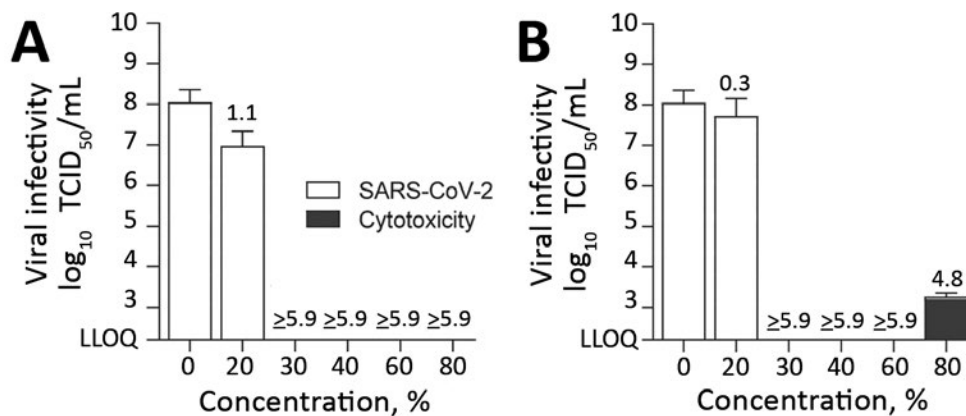
DISPATCHES

regression using the robust fitting method on the normalized TCID₅₀ data implemented in Prism version 8.0.3 (GraphPad, <https://www.graphpad.com>). We plotted reference curves for SARS-CoV, MERS-CoV, and bovine CoV (BCoV) by using previously published data (9). BCoV is often used as surrogate for highly pathogenic human CoVs. We assessed the mean TCID₅₀ and standard deviations of means from 3 individual experiments. We identified outliers by using Grubb's test in Prism. We calculated reduction factors (RFs) for each treatment condition as follows:

$$RF = \text{treatment} - \text{control} = \log_{10} \left(\frac{\sum_{i=1}^n x_i}{n} \right) - \log_{10} \left(\frac{\sum_{j=1}^m x_j}{m} \right)$$

Our results showed that SARS-CoV-2 was highly susceptible to the original and the modified WHO formulations (Figure 1). The original and modified versions of formulation I efficiently inactivated the virus. The original formulation I of 80% (vol/vol) ethanol had an RF of ≥ 3.8 (Figure 1, panel A) and the modified formulation I of 80% (wt/wt) ethanol had an RF of ≥ 5.9 (Figure 1, panel C). Dilutions $\geq 40\%$ were still effective (Figure 1, panels A and C). Subsequent regression analysis of modified formulation I revealed similar inactivation profiles compared with SARS-CoV, MERS-CoV, and BCoV. (Figure 1, panel C). The original and modified versions of formulation II also were effective. The original formulation II of 75% (vol/vol) 2-propanol had a log₁₀-reduction of ≥ 3.8 (Figure 1, panel B) and the modified formulation II of 75% (wt/wt) 2-propanol had a log₁₀-reduction of ≥ 5.9 . Dilution $\geq 30\%$ (vol/vol) also resulted in complete viral inactivation (Figure 1, panel D). Regression analysis of modified WHO formulation II showed the inactivation profile of SARS-CoV-2 was comparable to those of SARS-CoV, BCoV, and MERS-CoV (Figure 1, panel D).

Figure 2. Effect of commercially available alcohols in inactivating SARS-CoV-2. The means of 3 independent experiments with SDs (error bars) are shown. A) Results for ethanol. B) Results for 2-propanol. Dark gray bar indicates cytotoxic effects, calculated analogous to virus infectivity. Reduction factors are included above the bar. The biocide concentrations ranged from 0–80% with an exposure time of 30 s. Viral titers are displayed as TCID₅₀/mL values. LLOQ, lower limit of quantification; SARS-CoV-2, severe acute respiratory syndrome coronavirus 2; TCID₅₀/mL, 50% tissue culture infectious dose.



We also investigated the susceptibility of SARS-CoV-2 against the active components of the WHO-recommended formulations, which are also the active ingredients of commercially available hand disinfectants. Ethanol (Figure 2, panel A) and 2-propanol (Figure 2, panel B) were able to reduce viral titers to background levels in 30 s with RFs of between 4.8 and ≥ 5.9 . Furthermore, we noted that a concentration of $\geq 30\%$ (vol/vol) ethanol or 2-propanol is sufficient for complete viral inactivation (Figure 2).

Conclusions

We found that SARS-CoV-2 was efficiently inactivated by WHO-recommended formulations, supporting their use in healthcare systems and viral outbreaks. Of note, both the original and modified formulations were able to reduce viral titers to background level within 30 s. In addition, ethanol and 2-propanol were efficient in inactivating the virus in 30 s at a concentration of $\geq 30\%$ (vol/vol). Alcohol constitutes the basis for many hand rubs routinely used in healthcare settings. One caveat of this study is the defined inactivation time of exactly 30 s, which is the time recommended but not routinely performed in practice. Our findings are crucial to minimize viral transmission and maximize virus inactivation in the current SARS-CoV-2 outbreak.

This article was preprinted at <https://www.biorxiv.org/content/10.1101/2020.03.10.986711v1>.

Acknowledgments

We thank the members of Institute of Virology and Immunology, Bern, Switzerland and the Department for Molecular and Medical Virology, Ruhr University Bochum, Bochum, Germany for helpful suggestions and discussions.

This study was supported by the European Commission Marie Skłodowska-Curie Innovative Training Network Honours (grant agreement no. 721367), and by the Federal Ministry of Education and Research, Germany (grant no. 01KI1723A).

Ms. Kratzel is a PhD candidate affiliated with the Institute of Virology and Immunology, Bern and Mittelhäusern, Switzerland, the Department of Infectious Diseases and Pathobiology, Vetsuisse Faculty, University of Bern, Bern, Switzerland and the Graduate School for Cellular and Biomedical Sciences, University of Bern. Her research interests include coronaviruses.

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Address for correspondence: Stephanie Pfaender, Department for Molecular and Medical Virology, Ruhr-Universität Bochum, Universitätsstrasse 150, 44801 Bochum, Germany; email: stephanie.pfaender@ruhr-uni-bochum.de

Archived: Thursday, 11 April 2024 8:43:33 PM

From: s22(1)(a)(ii)

Sent: Fri, 26 Jun 2020 16:00:42

To: s 22(1)(a)(ii)

Subject: Invoice V250691 from NMI [SEC=UNCLASSIFIED]

Importance: Normal

Sensitivity: None

Attachments:

V250691.pdf; coc.pdf;

Dear Customer,

\sb280Please find attached invoice V250691 for your recent job with the NMI for processing and payment.

\sb280If you are not the correct contact/recipient for the invoice or the email address has changed please forward it to the relevant person/department. Please also advise us and update your chain of custody with the relevant information.

\sb280If you have any questions or need any further information about these charges, please contact customer service on 1300 722 845 or forward this message to our Customer Service team at food@measurement.gov.au with your query.

\sb280Thank you for using the services of the National Measurement Institute.

s22(1)(a)(ii)

BBiotech, MBiotech (FoodSc)

Administration Officer

Analytical Services Branch / National Measurement Institute

s22(1)(a)(ii)

s 22(1)(a)(ii) [@measurement.gov.au](mailto:food@measurement.gov.au)

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Archived: Thursday, 11 April 2024 8:44:13 PM

From: s22(1)(a)(ii)

Sent: Fri, 7 Aug 2020 10:39:06

To: s22(1)(a)(ii)

Cc: s22(1)(a)(ii)

Subject: Invoice V251724 from NMI [SEC=OFFICIAL]

Importance: Normal

Sensitivity: None

Attachments:

[V251724.pdf](#); [RN1282818.pdf](#);

Dear Customer,

\sb280Please find attached invoice V251724 for your recent job with the NMI for processing and payment.

\sb280If you are not the correct contact/recipient for the invoice or the email address has changed please forward it to the relevant person/department. Please also advise us and update your chain of custody with the relevant information.

\sb280If you have any questions or need any further information about these charges, please contact customer service on 1300 722 845 or forward this message to our Customer Service team at food@measurement.gov.au with your query.

\sb280Thank you for using the services of the National Measurement Institute.

\qc\sb280\f0OFFICIAL

Archived: Thursday, 11 April 2024 8:44:26 PM

From: s22(1)(a)(ii)

Sent: Wed, 28 Oct 2020 13:11:01

To: s22(1)(a)(ii)

Subject: Invoice V253549 from NMI [SEC=OFFICIAL]

Importance: Normal

Sensitivity: None

Attachments:

[V253549.pdf](#);

Dear Customer,

\sb280Please find attached invoice V253549 for your recent job with the NMI for processing and payment.

\sb280If you are not the correct contact/recipient for the invoice or the email address has changed please forward it to the relevant person/department. Please also advise us and update your chain of custody with the relevant information.

\sb280If you have any questions or need any further information about these charges, please contact customer service on 1300 722 845 or forward this message to our Customer Service team at food@measurement.gov.au with your query.

\sb280Thank you for using the services of the National Measurement Institute.

\qc\s22(1)(a)(ii)\f0OFFICIAL

Archived: Thursday, 11 April 2024 8:44:38 PM

From: s22(1)(a)(ii)

Sent: Thu, 18 Jun 2020 15:40:49

To: s22(1)(a)(ii)

Subject: NMI RESULTS FOR JOB AUSC17/200603 Reports: RN1277432 [DLM=For-Official-Use-Only]

Importance: Normal

Sensitivity: None

Attachments:

[rn1277432.pdf](#); [AUSC17-200603.xlsx](#);

Good afternoon,

Attached is a copy of your latest NMI report/s of analysis.

Thank-you for using our services at the National Measurement Institute.

If you have any enquiries regarding this report, please contact NMI on 03 9644 4888 or food@measurement.gov.au.

Kind regards,

s22(1)(a)(ii)

Laboratory Service Unit

Pronouns: they/them

Analytical Services Branch | National Measurement Institute

s22(1)(a)(ii)

s 22(1)(a)(ii) [@measurement.gov.au](mailto:s22(1)(a)(ii)@measurement.gov.au)

National Measurement Institute

1/153 Bertie Street

Port Melbourne VIC 3207

Australia

ABN 74 599 608 295

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Archived: Thursday, 11 April 2024 8:44:50 PM

From: s22(1)(a)(ii)

To: s22(1)(a)(ii)

Cc: s22(1)(a)(ii)

[NMIVIC COC](#)

Subject: RE: FW: FW: Request for testing quote - alcoholic content of sanitiser [DLM=For-Official-Use-Only]

Importance: Normal

Sensitivity: None

Hi s22(1)(a)(ii)

Thanks very much for emailing this COC to us.

Kind Regards,

s22(1)(a)(ii)

Account Manager

Analytical Services Branch

s 22(1)(a)(ii) [reception] s22(1)(a)(ii)

P: s 22(1)(a)(ii) [hotline]

s22(1)(a)(ii) measurement.gov.au

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From: s22(1)(a)(ii) [mailto:s22(1)(a)(ii)]

Sent: Monday, 1 June 2020 1:18 PM

To: s22(1)(a)(ii) <s22(1)(a)(ii)@measurement.gov.au>

Cc: s22(1)(a)(ii) <s22(1)(a)(ii)@measurement.gov.au>; NMIVIC COC <NMIVICCOCCOC@measurement.gov.au>

Subject: Re: FW: FW: Request for testing quote - alcoholic content of sanitiser [DLM=For-Official-Use-Only]

Thanks s22(1)(a)(ii)

We are sending two samples tomorrow via courier. They should reach you the following day (Thursday).

COC attached. For some reason the form would not register a P in the section for time required, the standard 10 day turnaround is fine for us.

s22(1)(a)(ii)

s22(1)(a)(ii)

Director, Reviews and Testing

s22(1)(a)(ii)

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□□□□□□□□□□

_____qc

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On Mon, 1 Jun 2020 at 11:05, s22(1)(a)(ii) <s22(1)(a)(ii)@measurement.gov.au> wrote:

Hi s22(1)(a)(ii)

Thankyou that's great, please send the samples to NMI.

As to the SDS, that's quite OK. We have a requirement to send this paragraph with each quotation in case we are being sent dangerous samples that we need to be aware of. In this case we are aware of the samples and their ingredients.

Thanks for checking and appreciate sending the samples, Ill inform our sample receipt team that these samples are being sent.

Kind Regards,

s22(1)(a)(ii)

Account Manager

Analytical Services Branch

s 22(1)(a)(ii) [reception] |s22(1)(a)(ii)

s 22(1)(a)(ii) [hotline]

s22(1)(a)(ii) measurement.gov.au

\intbl

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From: s22(1)(a)(ii) [mailto:s22(1)(a)(ii)]
Sent: Monday, 1 June 2020 10:24 AM
To: s22(1)(a)(ii) <s22(1)(a)(ii)@measurement.gov.au>
Cc: s22(1)(a)(ii) <s22(1)(a)(ii)@measurement.gov.au>
Subject: Re: FW: FW: Request for testing quote - alcoholic content of sanitiser [DLM=For-Official-Use-Only]

Hi s22(1)(a)(ii)

Thank you for sending these through. I have the samples ready to go, and I have filled out the COC.

With regards to the SDS, we are unable to find a relevant SDS for this particular sample.

Our lab manager did find this reference for the company that imported the product however we cannot be certain it is the same.

This is the website where the ingredients are located: <https://dailymed.nlm.nih.gov/dailymed/lookup.cfm?setid=0bab72e2-c5bb-4fe7-aa9a-854b508d92ce&version=1>

There are warnings from this link, but I'm unsure of whether it qualifies as an SDS. Could you give any further guidance on the requirements for an SDS if none seems reliably available?

Kind regards

s22(1)(a)(ii)

s22(1)(a)(ii)

Director, Reviews and Testing

s22(1)(a)(ii)

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\sb240

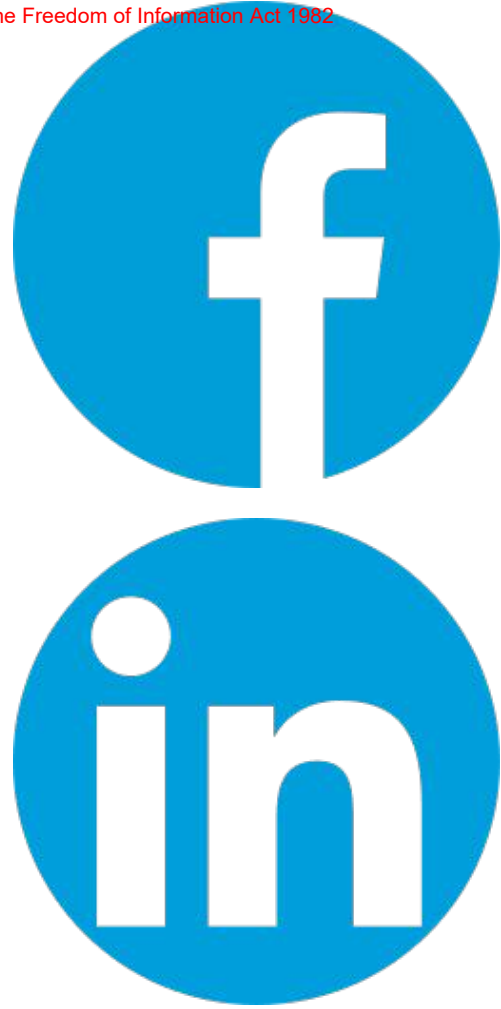


CHOICE



TEST RESEARCH

\qc



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On Fri, 29 May 2020 at 10:55, s22(1)(a)(ii) <s22(1)(a)(ii) measurement.gov.au> wrote:

Hi s22(1)(a)(ii)

\sb100

\sb100Thank you for your recent enquiry for testing of hand sanitisers. Please find attached an NMI Quote.

\sb100

\sb100Attached to the quote is a sample submission (chain of custody) form for you to complete and return with each batch of samples submitted to ensure you are not charged premium rates. Also attached is an excel copy of the COC for your ease of use. Once ready to submit samples please also send the excel copy of the COC through to NMIVICOC@measurement.gov.au to expedite the registration process of your samples.

\sb100

\sb100Please note that when providing samples to NMI, you must give written notice of all known safety or health hazards and special procedures relevant to the handling, testing, storage, transport and disposal of samples, this includes provisions of safety data sheets (SDSs). When providing a hazardous chemical to NMI a current safety data sheet (SDS) for the hazardous chemical must also be provided. When providing a hazardous chemical to NMI the sample container must be labelled in accordance with the GHS (product identifier and hazard pictogram). NMI reserves the right to refuse to conduct any test where

\sb100

\sb100If you have any questions please do not hesitate to contact me.

\sb100

\sb100Kind Regards,

s22(1)(a)(ii)

Account Manager

Analytical Services Branch

s 22(1)(a)(ii) [reception] s22(1)(a)(ii)

| s 22(1)(a)(ii) [hotline]

s22(1)(a)(ii) [measurement.gov.au](http://www.measurement.gov.au)

\intbl

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Australian Government
Department of Industry, Science,
Energy and Resources

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From: s22(1)(a)(ii)

Sent: Thursday, 28 May 2020 9:58 AM

To: s22(1)(a)(ii) <s22(1)(a)(ii)>

Cc: s22(1)(a)(ii) <s22(1)(a)(ii)@measurement.gov.au> FOI REF 74807 - Documents released under the Freedom of Information Act 1982

Subject: RE: FW: FW: Request for testing quote - alcoholic content of sanitiser [SEC=UNCLASSIFIED]

Good Morning s22(1)(a)(ii)

Please see below and let me know.

Kind regards,

s22(1)(a)(ii)

s 22(1)(a)(ii)

Officer In Charge

Analytical Services | National Measurement Institute

s22(1)(a)(ii)

s22(1)(a)(ii) measurement.gov.au

1/153 Bertie Street

Port Melbourne

Victoria 3207

ABN 74 599 608 295

National Measurement Institute | www.measurement.gov.au

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From: s22(1)(a)(ii) [mailto:s22(1)(a)(ii)]

Sent: Wednesday, 27 May 2020 5:25 PM

To: s22(1)(a)(ii) <s22(1)(a)(ii)@measurement.gov.au>

Cc: s22(1)(a)(ii) <s22(1)(a)(ii)@measurement.gov.au>

Subject: Re: FW: FW: Request for testing quote - alcoholic content of sanitiser [SEC=UNCLASSIFIED]

Thanks s22(1)(a)(ii)

I should have been more precise in my questions;

- how much sample you require – If possible a sealed full container due to the volatility of ethanol

In mL? - The test itself require only 1mL of sample however we will need at least 5 mL for QC and other steps.

- in what condition you require it sent to NMI - If it is a sealed container it can be by post with safe packaging

Thank you - minimal headspace? Yes, with minimum headspace

- what the turnaround period would be - Depending on how urgent it is

- how the data would be supplied to us - on a format of a report of analysis

Is this in DOC or XLS? - We can provide a Pdf and XLS

- how much the testing would cost -

At the moment we only have a single sample but potentially we would supply a control sample as well that we have mixed internally - I have spoken to our GM and he is happy to support this Choice with this test. Therefore for the single sample we will charge approximately \$330 including GST, which is close to our minimum invoice charge

s22(1)(a)(ii)

Director, Reviews and Testing

s22(1)(a)(ii)

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qc

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On Wed, 27 May 2020 at 17:07, s22(1)(a)(ii) <s22(1)(a)(ii)@measurement.gov.au> wrote:

Hello s22(1)(a)(ii)

Sorry about the information provided to you by the reception.

Would you please provide a contact number to further discuss this matter or please call me on s22(1)(a)(ii)

The responses for your questions are below except price, which we can discuss.

Kind regards,

s22(1)(a)(ii)

Dr s22(1)(a)(ii)

Officer In Charge

Analytical Services | National Measurement Institute

s22(1)(a)(ii)

s22(1)(a)(ii) measurement.gov.au

1/153 Bertie Street

Port Melbourne

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From: s22(1)(a)(ii) [mailto:s22(1)(a)(ii)]
Sent: Wednesday, 27 May 2020 3:00 PM
To: s22(1)(a)(ii) <s22(1)(a)(ii)@measurement.gov.au>
Cc: s22(1)(a)(ii) <s22(1)(a)(ii)@measurement.gov.au>; s22(1)(a)(ii) <s22(1)(a)(ii)@measurement.gov.au>; s22(1)(a)(ii) <s22(1)(a)(ii)@measurement.gov.au>; s22(1)(a)(ii) <s22(1)(a)(ii)@measurement.gov.au>; s22(1)(a)(ii) <s22(1)(a)(ii)@measurement.gov.au>
Subject: Re: FW: Request for testing quote - alcoholic content of sanitiser [SEC=UNCLASSIFIED]

Hi s22(1)(a)(ii)

Thanks for getting back to us.

Your contact on the 1800 phonenumber has directed us to Intertek, but we would prefer to go through NMI.

We would like to ascertain the ethyl alcohol percentage content of a [sample of sanitiser](#) we have. Could you let us know;

- how much sample you require - **If possible a sealed full container due to the volatility of ethanol**
- in what condition you require it sent to NMI - **If it is a sealed container it can be by post with safe packaging**
- what the turnaround period would be - **Depending on how urgent it is**
- how the data would be supplied to us - **on a format of a report of analysis**
- how much the testing would cost - **Depending on the sample numbers if it is a single sample we have to perform all the QC for it therefore it will be a minimum charge**

Kind regards,

s 22(1)(a)(ii)

s22(1)(a)(ii)

Director, Reviews and Testing

s22(1)(a)(ii)

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_____ | qc

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On Wed, 27 May 2020 at 14:44, s22(1)(a)(ii) <s22(1)(a)(ii)@measurement.gov.au> wrote:

Hello s22(1)(a)(ii)

As per your inquiry NMI is able to assist with the measurements of alcohol type and content in sanitisers.

Our method is validated and currently with NATA pending accreditation.

Depending your requirements happy to discuss the turnaround time and required reporting format.

Please get back to me if you wish to proceed.

Kind regards,

s22(1)(a)(ii)

s 22(1)(a)(ii)

Officer In Charge

Analytical Services | National Measurement Institute

s22(1)(a)(ii)

s22(1)(a)(ii) measurement.gov.au

1/153 Bertie Street

Port Melbourne

Victoria 3207

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\qcUNCLASSIFIED

\qcUNCLASSIFIED

\qcUNCLASSIFIED

From: Covid19

Sent: Wednesday, 27 May 2020 12:04 PM

To: s22(1)(a)(ii) <s22(1)(a)(ii)@measurement.gov.au>

Cc: Covid19 <Covid19@measurement.gov.au>; s22(1)(a)(ii) <s22(1)(a)(ii)@measurement.gov.au>; s22(1)(a)(ii) <s22(1)(a)(ii)@measurement.gov.au>

Subject: RE: Request for testing quote - alcoholic content of sanitiser [SEC=UNCLASSIFIED]

Dear s22(1)(a)(ii)

Thank you for contacting NMI regarding testing hand sanitiser for alcohol content.

NMI would be happy to help you with your hand sanitiser testing needs. I have forwarded your enquiry to my colleagues s22(1)(a)(ii) and s22(1)(a)(ii) (both cc'd), from the Analytical Services team. One of them will be in contact with you shortly to further discuss hand sanitiser testing.

Kind regards,

s22(1)(a)(ii)

National Measurement Institute

Department of Industry, Science, Energy and Resources

Covid19@measurement.gov.au

PO Box 2013, Canberra ACT 2601

\vntbl

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\qcUNCLASSIFIED

From: s22(1)(a)(ii) [[mailto:s22\(1\)\(a\)\(ii\)](mailto:s22(1)(a)(ii))]
Sent: Wednesday, 27 May 2020 8:51 AM
To: Information Mailbox <info@measurement.gov.au>
Subject: Request for testing quote - alcoholic content of sanitiser

Hi there,

We are trying to get a quote on the alcoholic content of a sanitiser that was available on the retail

consumer market for a brief period of time.

While we have a hydrometer, we are unable to conduct the test as it is a gel like substance like most sanitisers.

Would it be possible to get an understanding on whether NMI can conduct this test, how long it would take, what format the results of the testing would be supplied and how much it would cost?

Kind regards,

s22(1)(a)(ii)

s22(1)(a)(ii)

Director, Reviews and Testing

s22(1)(a)(ii)

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_____ \qc

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\qcUNCLASSIFIED

Archived: Thursday, 11 April 2024 8:45:12 PM

From: s22(1)(a)(ii)

Mail received time: Mon, 1 Jun 2020 13:19:48

Sent: Mon, 1 Jun 2020 13:17:32

To: s22(1)(a)(ii)

Cc: s22(1)(a)(ii) [NMIVIC COC](#)

Subject: Re: FW: FW: Request for testing quote - alcoholic content of sanitiser [DLM=For-Official-Use-Only]

Importance: Normal

Sensitivity: None

Attachments:

image001.png; image003.gif; image004.gif; image005.gif; image006.png; image008.png; image009.png; image010.png; image011.png; image012.png; image013.png; image015.png; image020.png; image022.jpg; image023.jpg; image025.png; image026.jpg; image027.png; image028.jpg; image029.jpg; image030.jpg; image031.png; image032.jpg; AUSC17A-TR2005V CHOICE COC.xlsx;

Thanks s22(1)(a)(ii)

We are sending two samples tomorrow via courier. They should reach you the following day (Thursday).

COC attached. For some reason the form would not register a P in the section for time required, the standard 10 day turnaround is fine for us.

s22(1)(a)(ii)

s22(1)(a)(ii)
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s22(1)(s22(1)(a)(ii)
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s 22(1)(a)(ii)

Archived: Thursday, 11 April 2024 8:45:48 PM

From: s22(1)(a)(ii)

Sent: Thu, 28 May 2020 09:57:43

To: s22(1)(a)(ii)

Cc: s22(1)(a)(ii)

Subject: RE: FW: FW: Request for testing quote - alcoholic content of sanitiser [SEC=UNCLASSIFIED]

Importance: Normal

Sensitivity: None

Good Morning s22(1)(a)(ii)

Please see below and let me know.

Kind regards,

s22(1)(a)(ii)

Dr s22(1)(a)(ii)

Officer In Charge

Analytical Services | National Measurement Institute

s22(1)(a)(ii)

s22(1)(a)(ii) measurement.gov.au

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From: s22(1)(a)(ii) [mailto:s22(1)(a)(ii)]

Sent: Wednesday, 27 May 2020 5:25 PM

To: s22(1)(a)(ii) <s22(1)(a)(ii)> measurement.gov.au>

Cc: s22(1)(a)(ii) <s22(1)(a)(ii)> measurement.gov.au>

Subject: Re: FW: FW: Request for testing quote - alcoholic content of sanitiser [SEC=UNCLASSIFIED]

Thanks s22(1)(a)(ii)

I should have been more precise in my questions;

τμλρτφ.:λοχη.:αφ1.:δβχη.:αφ0.:ηιχη.:φ1.:λανγ3081.:φσ20 how much sample you require - if possible a sealed full container due to the volatility of ethanol

In mL? - The test itself require only 1mL of sample however we will need at least 5 mL for QC and other steps.

τμλρτφ.:λοχη.:αφ1.:δβχη.:αφ0.:ηιχη.:φ1.:λανγ3081.:φσ20 in what condition you require it sent to NMI - If it is a sealed container it can be by post with safe packaging

Thank you - minimal headspace? Yes, with minimum headspace

τμλρτφ.:λοχη.:αφ1.:δβχη.:αφ0.:ηιχη.:φ1.:λανγ3081.:φσ20 what the turnaround period would be - Depending on how urgent it is

Within a 2-3 weeks period.- No problem

τμλρτφ.:λοχη.:αφ1.:δβχη.:αφ0.:ηιχη.:φ1.:λανγ3081.:φσ20 how the data would be supplied to us - on a format of a report of analysis

Is this in DOC or XLS? - We can provide a Pdf and XLS

τμλρτφ.:λοχη.:αφ1.:δβχη.:αφ0.:ηιχη.:φ1.:λανγ3081.:φσ20 how much the testing would cost -

At the moment we only have a single sample but potentially we would supply a control sample as well that we have mixed internally - I have spoken to our GM and he is happy to support this Choice with this test. Therefore for the single sample we will charge approximately \$330 including GST, which is close to our minimum invoice charge

s22(1)(a)(ii)

Director, Reviews and Testing

s22(1)(a)(ii)

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s 22(1)(a)(ii)

Archived: Thursday, 11 April 2024 8:46:13 PM

From: s22(1)(a)(ii)

To: s22(1)(a)(ii) s22(1)(a)(ii)

Cc: s22(1)(a)(ii) s22(1)(a)(ii)

Subject: RE: Regarding Testing [DLM=For-Official-Use-Only]

Importance: Normal

Sensitivity: None

Attachments:

[AUSC17A-TR2007V_CHOICE \(Testing of 30 Hand Sanitisers\).pdf](#); [AUSC17A-TR2007 Blank COC.xlsx](#);

Hi Matthew,

\sb100

\sb100Thank you for sending in your samples to NMI for analysis. Please find attached an updated NMI Quote with the pricing as indicated by Saman.

\sb100

\sb100Attached to the quote is a sample submission (chain of custody) form for you to complete and return with each batch of samples submitted. Also attached is an excel copy of the COC for your ease of use. Once ready to submit samples please also send the excel copy of the COC through to NMIVICCOC@measurement.gov.au to expedite the registration process of your samples.

\sb100

\sb100Please note that when providing samples to NMI, you must give written notice of all known safety or health hazards and special procedures relevant to the handling, testing, storage, transport and disposal of samples, this includes provisions of safety data sheets (SDSs). When providing a hazardous chemical to NMI a current safety data sheet (SDS) for the hazardous chemical must also be provided. When providing a hazardous chemical to NMI the sample container must be labelled in accordance with the GHS (product identifier and hazard pictogram). NMI reserves the right to refuse to conduct any test where NMI in its absolute discretion determines such testing may pose a safety or health hazard.

\sb100

\sb100If you have any questions please do not hesitate to contact me.

\sb100

\sb100Kind Regards,

s22(1)(a)(ii)

Account Manager

Analytical Services Branch

s 22(1)(a)(ii) [reception] | s 22(1)(a)(ii) direct | s 22(1)(a)(ii) [mobile] | s 22(1)(a)(ii) [hotline]

s22(1)(a)(ii) measurement.gov.au

National Measurement Institute | www.measurement.gov.au



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s 22(1)(a)(ii)

s 22(1)(a)(ii)

s 22(1)(a)(ii)

s 22(1)(a)(ii)

s 22(1)(a)(ii)

s 22(1)(a)(ii)

s 22(1)(a)(ii)

Archived: Thursday, 11 April 2024 8:46:29 PM

From: s22(1)(a)(ii)

To: s22(1)(a)(ii) [NMIVIC COC](#)

Cc: s22(1)(a)(ii) s22(1)(a)(ii) s22(1)(a)(ii)

Subject: RE: Regarding Testing [DLM=For-Official-Use-Only]

Importance: Normal

Sensitivity: None

Hi s 22(1)(a)(ii)

Thanks for letting us know. We will let our sample receipt team know that you have requested a 10 working day Turnaround.

Kind Regards,

s22(1)(a)(ii)

Acting Business Development Manager

Analytical Services Branch

s 22(1)(a)(ii) [reception] | s 22(1)(a)(ii) [direct] s 22(1)(a)(ii) [mobile] | s 22(1)(a)(ii) [hotline]

s22(1)(a)(ii) measurement.gov.au

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s 22(1)(a)(ii)

s 22(1)(a)(ii)

s 22(1)(a)(ii)

s 22(1)(a)(ii)

s 22(1)(a)(ii)

s 22(1)(a)(ii)

s 22(1)(a)(ii)

s 22(1)(a)(ii)

s 22(1)(a)(ii)

Archived: Thursday, 11 April 2024 8:47:14 PM
From: s22(1)(a)(ii)
To: s 22(1)(a)(ii)
Subject: RE: Regarding Testing [SEC=UNCLASSIFIED]
Importance: Normal
Sensitivity: None

Easier for me to do it. Id done the previous one so thought Id look after this one, very easy that way rather than you working out what had been done before.

\qcUNCLASSIFIED

From: s 22(1)(a)(ii)
Sent: Tuesday, 14 July 2020 3:26 PM
To: s22(1)(a)(ii) <s22(1)(a)(ii)@measurement.gov.au>
Subject: RE: Regarding Testing [SEC=UNCLASSIFIED]

Thanks!!!!!! 😊

\qcUNCLASSIFIED

From: s22(1)(a)(ii)
Sent: Tuesday, 14 July 2020 2:39 PM
To: s22(1)(a)(ii) <s22(1)(a)(ii)@measurement.gov.au>; s 22(1)(a)(ii) <s22(1)(a)(ii)@measurement.gov.au>
Cc: s22(1)(a)(ii) <s22(1)(a)(ii)@measurement.gov.au>; s22(1)(a)(ii) <s22(1)(a)(ii)@measurement.gov.au>
Subject: RE: Regarding Testing [SEC=UNCLASSIFIED]

Hi s 22(1)(a)(ii)

Ill quote this one.

Regards,

s 22(1)(a)

\qcUNCLASSIFIED

From: s22(1)(a)(ii)
Sent: Tuesday, 14 July 2020 2:38 PM
To: s22(1)(a)(ii) <s22(1)(a)(ii)@measurement.gov.au>; s 22(1)(a)(ii) <s22(1)(a)(ii)@measurement.gov.au>
Cc: s22(1)(a)(ii) <s22(1)(a)(ii)@measurement.gov.au>; s22(1)(a)(ii) <s22(1)(a)(ii)@measurement.gov.au>
Subject: RE: Regarding Testing [SEC=UNCLASSIFIED]
Importance: High

Hi T s 22(1)(a)(ii)

Could you please respond to his email regarding the submission of hand sanitizers for alcohol testing.

Regards,

s22(1)(a)(ii)

Food Composition and Inorganics Manager

s 22(1)(a)(ii)

s22(1)(a)(ii) measurement.gov.au

National Measurement Institute

1/153 Bertie St, Port Melbourne

VIC 3207, Australia

ABN 74 599 608 295

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s 22(1)(a)(ii)

s 22(1)(a)(ii)

s 22(1)(a)(ii)

s 22(1)(a)(ii)

s 22(1)(a)(ii)

s 22(1)(a)(ii)

Archived: Thursday, 11 April 2024 8:48:04 PM

From: s 22(1)(a)(ii)

Sent: Mon, 31 Aug 2020 16:12:17

To: s22(1)(a)(ii) s22(1)(a)(ii) s 22(1)(a)(ii) s22(1)(a)(ii) s22(1)(a)(ii) s 22(1)(a)(ii) s22(1)(a)(ii)

Subject: RE: Release date of Hand sanitiser results [SEC=OFFICIAL]

Importance: Normal

Sensitivity: None

Fyi...

s 22(1)(a)(ii)

\qcOFFICIAL

From: s22(1)(a)(ii)

Sent: Monday, 31 August 2020 4:01 PM

To: s22(1)(a)(ii) <s22(1)(a)(ii)@measurement.gov.au>; s 22(1)(a)(ii)

s 22(1)(a)(ii) @measurement.gov.au>; s 22(1)(a)(ii) @measurement.gov.au>; @measurement.gov.au>;

s22(1)(a)(ii) <s22(1)(a)(ii)@measurement.gov.au>; s22(1)(a)(ii) <s22(1)(a)(ii)@measurement.gov.au>; s22(1)(a)(ii) <s22(1)(a)(ii)@measurement.gov.au>; s 22(1)(a)(ii)@measurement.gov.au>;

Subject: Fwd: Release date of Hand sanitiser results [SEC=OFFICIAL]

\qcOFFICIAL

Dear All - FYI

Shall discuss and I will respond to s 22(1)(a)(ii) tomorrow

Regard

s 22(1)(a)(ii)

\qcOFFICIAL

From: s22(1)(a)(ii) <s22(1)(a)(ii)>

Date: Monday, 31 August 2020 at 3:24:08 pm

To: s22(1)(a)(ii) <s22(1)(a)(ii)> <measurement.gov.au>

Subject: Release date of Hand sanitiser results

Hi s 22(1)(a)(ii),

We plan on releasing the information on the hand sanitisers on Wednesday - we've taken a very conservative approach almost all are within the 60% minimum recommended by the TGA.

We have mentioned that we are buying the next batch of hand sanitisers.

We're also fund raising off the back of this, so we can afford more testing in future. We've quoted \$730/sample, which includes both the testing with NMI and the salaries/couriers/verification of our people as well.

Kind regards,

s 22(1)(a)(ii)

s22(1)(a)(ii)

Director, Reviews and Testing

s22(1)(a)(ii)

choice.com.au | [Join us and support our work](#)

57 Carrington Rd, Marrickville NSW 2204, Australia

\qc

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Archived: Thursday, 11 April 2024 8:48:34 PM

From: s22(1)(a)(ii)

Sent: Tue, 11 Aug 2020 17:01:40

To: s22(1)(a)(ii)

Cc: s22(1)(a)(ii) s 22(1)(a)(ii) s22(1)(a)(ii) s22(1)(a)(ii) s 22(1)(a)(ii)

Subject: RE: Statement Regarding the Phase 2 Study of the Hand Sanitisers [SEC=OFFICIAL]

Importance: Normal

Sensitivity: None

A big Thanks to everyone for their contributions to this, it is really important.

s 22(1)(a)(ii) or s 22(1)(a)(ii)

would you mind letting s 22(1)(a)(ii) and s 22(1)(a)(ii) know the details as well.

Thanks again

Regards

s 22(1)(a)

s22(1)(a)(ii)

National Measurement Institute

Department of Industry, Science, Energy & Resources

s 22(1)(a)(ii)

\qcOFFICIAL

From: s22(1)(a)(ii)

Sent: Tuesday, 11 August 2020 4:26 PM

To: s22(1)(a)(ii) <s22(1)(a)(ii)>

Cc: s22(1)(a)(ii) <s22(1)(a)(ii)> measurement.gov.au; s22(1)(a)(ii) <s22(1)(a)(ii)> measurement.gov.au; s 22(1)(a)(ii) @measurement.gov.au; s22(1)(a)(ii) <s22(1)(a)(ii)> measurement.gov.au; s22(1)(a)(ii) <s22(1)(a)(ii)> measurement.gov.au; s 22(1)(a)(ii) measurement.gov.au; s 22(1)(a)(ii) .Stockham@measurement.gov.au

Subject: Statement Regarding the Phase 2 Study of the Hand Sanitisers [SEC=OFFICIAL]

Hello s 22(1)(a)(ii)

Please see below some details for your inquiry regarding the phase 2 study conducted on hand sanitisers.

Please see the TGA protocol <https://www.tga.gov.au/hand-sanitisers-information-manufacturers-suppliers-and-advertisers>. It states that the formulations for ethanol should be at 80% v/v and for isopropyl alcohol it should be 75% v/v. The measurement uncertainty of the method we have applied to this work is ±10% v/v. Hence all statistically acceptable results for percentage ethanol should be 80 ±8 and for percentage Isopropyl alcohol 75±7.5.

Based on the above statement there are:

φτφ.λοχη.αφ1.δβχη.αφ0.ηιχη.φ1.λανγ3081.φ20 Twelve samples containing ethanol were shown to be below the acceptable concentration and one sample showed to be above acceptable concentration. Please note the acceptable concentration is 80% ±8% v/v as per TGA requirements and our measurement uncertainty. Please check these results against the percentage ethanol shown on the labels.

Two samples with isopropyl alcohol were found to be below the acceptable concentration of 75% ±7.5% v/v as per TGA requirements and our measurement uncertainty. Please check these results against the percentage isopropyl alcohol shown on the labels.

I have also include the following statement from our Senior Microbiologist s 22(1)(a)(ii) regarding the effectiveness. .

The correct concentration of alcohol in hand sanitisers is important for their effective use. Products below the acceptable levels will have reduced disinfection efficacy. Products with significantly above the prescribed levels will likely evaporate quickly reducing the disinfection contact time.

Water is required in alcohol based sanitiser for their effectiveness, as small amounts of water is mixed with the alcohol aids protein denaturation.

100% alcohol also would dry your skin out very quickly and potentially cause it to become irritated.

Kind regards,

s 22(1)(a)(ii)

s 22(1)(a)(ii)

Officer In Charge

Analytical Services | National Measurement Institute

s22(1)(a)(ii)

s22(1)(a)(ii) measurement.gov.au

1/153 Bertie Street

Port Melbourne

Victoria 3207

ABN 74 599 608 295

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s 22(1)(a)(ii)

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s 22(1)(a)(ii)

s 22(1)(a)(ii)

s 22(1)(a)(ii)

s 22(1)(a)(ii)

s 22(1)(a)(ii)

s 22(1)(a)(ii)

Archived: Thursday, 11 April 2024 8:48:53 PM

From: s22(1)(a)(ii)

Mail received time: Tue, 11 Aug 2020 16:55:57

Sent: Tue, 11 Aug 2020 16:55:09

To: s22(1)(a)(ii)

Cc: s22(1)(a)(ii) s22(1)(a)(ii) s 22(1)(a)(ii) s22(1)(a)(ii) s22(1)(a)(ii) s 22(1)(a)(ii)

Subject: Re: Statement Regarding the Phase 2 Study of the Hand Sanitisers [SEC=OFFICIAL]

Importance: Normal

Sensitivity: None

Attachments:

image004.png; image006.png; image001.jpg; image002.jpg; image003.jpg;

Thanks s 22(1)(a)(ii)

The page you are referring to on the TGA website seems to refer to an expired Determination - I'm not sure they still apply to current hand sanitisers. I'm uncertain whether the TGA are still applying this determination post the expiry date. I'm not a lawyer, so we are going by the consumer recommendation page.

The consumer [TGA recommendations](#) state consumers should look for 60% or above. Consumers are only advised to look for 80%/75% (ethanol/isopropanol respectively) when the sanitiser states it abides by the WHO formulation (none of the samples included in Phase 2 do).

The tolerance levels are really useful. This may change some of our recommendations.

s22(1)(a)(ii)

\f0Director, Reviews and Testing

s22(1)(a)(ii)

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s 22(1)(a)(ii)

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s 22(1)(a)(ii)

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s 22(1)(a)(ii)

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s 22(1)(a)(ii)

s 22(1)(a)(ii)

s 22(1)(a)(ii)



Australian Government
**Department of Industry, Science,
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REPORT OF ANALYSIS

Page: 1 of 1

Report No. RN1277432

Client	: AUSTRALIAN CONSUMER'S ASSOCIATION CHOICE 57 CARRINGTON ROAD MARRICKVILLE NSW 2204	Job No.	: AUSC17/200603
Attention	: s22(1)(a)(ii)	Quote No.	: QT-02133
Project Name	:	Order No.	:
Your Client Services Manager	: s 22(1)(a)(ii)	Date Sampled	:
		Date Received	: 03-JUN-2020
		Sampled By	: CLIENT
		Phone	: s 22(1)(a)(ii)

Lab Reg No.	Sample Ref	Sample Description
V20/011807	A	SANITISER A
V20/011808	B	SANITISER B

Lab Reg No.	Sample Reference	Units	V20/011807	V20/011808	Method
			A	B	
Alcoholic Products					
Ethanol	%v/v		23	73	VL315
Iso-Propanol	%v/v		< 5	< 5	VL315

s 22(1)(a)(ii)

s22(1)(a)(ii) Analyst
 Inorganics - Vic

18-JUN-2020

Results relate only to the sample(s) as received and tested.

Measurement Uncertainty is available upon request.

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REPORT OF ANALYSIS

Page: 1 of 15
 Report No. RN1282818

Client :	AUSTRALIAN CONSUMER'S ASSOCIATION CHOICE 57 CARRINGTON ROAD MARRICKVILLE NSW 2204	Job No. :	AUSC17/200716
Attention :	s22(1)(a)(ii)	Quote No. :	QT-01471
Project Name :		Order No. :	
Your Client Services Manager :	s 22(1)(a)(ii)	Date Sampled :	
		Date Received :	16-JUL-2020
		Sampled By :	CLIENT
		Phone :	s 22(1)(a)(ii)

Lab Reg No.	Sample Ref	Sample Description
V20/015629	CH01	Air Clean Instant Hand Sanitiser 100mL
V20/015630	CH02	Bactive Hand Sanitiser 50mL

Lab Reg No.	Sample Reference	Units	V20/015629	V20/015630	Method
			CH01	CH02	
Alcoholic Products					
Ethanol	%v/v		23	85	VL315
Iso-Propanol	%v/v		< 5	< 5	VL315

s 22(1)(a)(ii)

s22(1)(a)(ii) Analyst
 Inorganics - Vic

04-AUG-2020

REPORT OF ANALYSIS

Page: 2 of 15

Report No. RN1282818

Client :	AUSTRALIAN CONSUMER'S ASSOCIATION CHOICE 57 CARRINGTON ROAD MARRICKVILLE NSW 2204	Job No. :	AUSC17/200716
Attention :	(b)(e)(1)Zzs	Quote No. :	QT-01471
Project Name :		Order No. :	
Your Client Services Manager :	s 22(1)(a)(ii)	Date Sampled :	
		Date Received :	16-JUL-2020
		Sampled By :	CLIENT
		Phone :	(b)(e)(1)Zzs

Lab Reg No.	Sample Ref	Sample Description
V20/015631	CH03	Careline Care Touch Instant Hand Sanitiser 200mL
V20/015632	CH04	Dettol Healthy Touch Instant Hand Sanitiser 50mL

Lab Reg No.		V20/015631	V20/015632	
Sample Reference	Units	CH03	CH04	Method
Alcoholic Products				
Ethanol	%v/v	66	68	VL315
Iso-Propanol	%v/v	<5	<5	VL315

s 22(1)(a)(ii)

(b)(e)(1)Zzs Analyst

Inorganics - Vic

04-AUG-2020

REPORT OF ANALYSIS

Page: 3 of 15

Report No. RN1282818

Client :	AUSTRALIAN CONSUMER'S ASSOCIATION CHOICE 57 CARRINGTON ROAD MARRICKVILLE NSW 2204	Job No. :	AUSC17/200716
Attention :	(b)(1)(a)ZZS	Quote No. :	QT-01471
Project Name :		Order No. :	
Your Client Services Manager :	(b)(1)(a)ZZS	Date Sampled :	
		Date Received :	16-JUL-2020
		Sampled By :	CLIENT
		Phone :	(b)(1)(a)ZZS

Lab Reg No.	Sample Ref	Sample Description
V20/015633	CH05	Lifebuoy Hand Sanitiser 50mL
V20/015634	CH06	Lifebuoy Hand Sanitiser Spray 150mL

Lab Reg No.		V20/015633	V20/015634	
Sample Reference	Units	CH05	CH06	Method
Alcoholic Products				
Ethanol	%v/v	71	94	VL315
Iso-Propanol	%v/v	<5	<5	VL315

(b)(1)(a)(i)

(b)(1)(a)ZZS Analyst

Inorganics - Vic

04-AUG-2020

REPORT OF ANALYSIS

Page: 4 of 15

Report No. RN1282818

Client :	AUSTRALIAN CONSUMER'S ASSOCIATION CHOICE 57 CARRINGTON ROAD MARRICKVILLE NSW 2204	Job No. :	AUSC17/200716
Attention :	(b)(1)(a)ZZS	Quote No. :	QT-01471
Project Name :		Order No. :	
Your Client Services Manager :	(b)(1)(a)ZZS	Date Sampled :	
		Date Received :	16-JUL-2020
		Sampled By :	CLIENT
		Phone :	(b)(1)(a)ZZS

Lab Reg No.	Sample Ref	Sample Description
V20/015635	CH07	Ozcare Instant Hand Sanitiser Gel 250mL
V20/015636	CH08	Oz-guard Instant Hand Sanitiser 60mL

Lab Reg No.		V20/015635	V20/015636	
Sample Reference	Units	CH07	CH08	Method
Alcoholic Products				
Ethanol	%v/v	68	68	VL315
Iso-Propanol	%v/v	<5	<5	VL315

(b)(1)(a)(i)

(b)(1)(a)ZZS Analyst

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04-AUG-2020

REPORT OF ANALYSIS

Page: 5 of 15

Report No. RN1282818

Client :	AUSTRALIAN CONSUMER'S ASSOCIATION CHOICE 57 CARRINGTON ROAD MARRICKVILLE NSW 2204	Job No. :	AUSC17/200716
Attention :	(b)(1)(a) zzs	Quote No. :	QT-01471
Project Name :		Order No. :	
Your Client Services Manager :	(b)(1)(a) zzs	Date Sampled :	
		Date Received :	16-JUL-2020
		Sampled By :	CLIENT
		Phone :	(b)(1)(a) zzs

Lab Reg No.	Sample Ref	Sample Description
V20/015637	CH09	Palmolive Hand Sanitiser Japanese Cherry Blossom 200mL
V20/015638	CH10	Palmolive Hand Sanitiser Lemon and White Citrus 48mL

Lab Reg No.		V20/015637	V20/015638	
Sample Reference	Units	CH09	CH10	Method
Alcoholic Products				
Ethanol	%v/v	71	70	VL315
Iso-Propanol	%v/v	<5	<5	VL315

(b)(1)(a)(i)

(b)(1)(a) zzs Analyst

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04-AUG-2020

REPORT OF ANALYSIS

Page: 6 of 15

Report No. RN1282818

Client :	AUSTRALIAN CONSUMER'S ASSOCIATION CHOICE 57 CARRINGTON ROAD MARRICKVILLE NSW 2204	Job No. :	AUSC17/200716
Attention :	(ii)(e)(1)ZZS	Quote No. :	QT-01471
Project Name :		Order No. :	
Your Client Services Manager :	s 22(1)(a)(ii)	Date Sampled :	
		Date Received :	16-JUL-2020
		Sampled By :	CLIENT
		Phone :	s 22(1)(a)(ii)

Lab Reg No.	Sample Ref	Sample Description
V20/015639	CH11	Skin Nutrient Hand Sanitiser 50mL
V20/015640	CH12	Soodox Vytal Antibacterial Hand Sanitiser 500mL

Lab Reg No.		V20/015639	V20/015640	
Sample Reference	Units	CH11	CH12	Method
Alcoholic Products				
Ethanol	%v/v	75	80	VL315
Iso-Propanol	%v/v	< 5	< 5	VL315

s 22(1)(a)(ii)

(ii)(e)(1)ZZS Analyst

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04-AUG-2020

REPORT OF ANALYSIS

Page: 7 of 15

Report No. RN1282818

Client :	AUSTRALIAN CONSUMER'S ASSOCIATION CHOICE 57 CARRINGTON ROAD MARRICKVILLE NSW 2204	Job No. :	AUSC17/200716
Attention :	(ii)(e)(1)ZZS	Quote No. :	QT-01471
Project Name :		Order No. :	
Your Client Services Manager :	s 22(1)(a)(ii)	Date Sampled :	
		Date Received :	16-JUL-2020
		Sampled By :	CLIENT
		Phone :	s 22(1)(a)(ii)

Lab Reg No.	Sample Ref	Sample Description
V20/015641	CH13	Soodox Vytal Antibacterial Hand Sanitiser 200mL
V20/015642	CH14	Soodox Vytal Antibacterial Hand Sanitiser 100mL

Lab Reg No.		V20/015641	V20/015642	
Sample Reference	Units	CH13	CH14	Method
Alcoholic Products				
Ethanol	%v/v	86	85	VL315
Iso-Propanol	%v/v	< 5	< 5	VL315

s 22(1)(a)(ii)

(ii)(e)(1)ZZS Analyst

Inorganics - Vic

04-AUG-2020

REPORT OF ANALYSIS

Page: 8 of 15

Report No. RN1282818

Client :	AUSTRALIAN CONSUMER'S ASSOCIATION CHOICE 57 CARRINGTON ROAD MARRICKVILLE NSW 2204	Job No. :	AUSC17/200716
Attention :	s22(1)(a)(ii)	Quote No. :	QT-01471
Project Name :		Order No. :	
Your Client Services Manager :	s 22(1)(a)(ii)	Date Sampled :	
		Date Received :	16-JUL-2020
		Sampled By :	CLIENT
		Phone :	s 22(1)(a)(ii)

Lab Reg No.	Sample Ref	Sample Description
V20/015643	CH15	Sukin Antibacterial Hand Sanitiser Green Tea & Mint 125mL
V20/015644	CH16	Swisscare Instant Hand Sanitiser 30mL

Lab Reg No.		V20/015643	V20/015644	
Sample Reference	Units	CH15	CH16	Method
Alcoholic Products				
Ethanol	%v/v	73	67	VL315
Iso-Propanol	%v/v	<5	<5	VL315

s 22(1)(a)(ii)

s22(1)(a)(ii) Analyst
Inorganics - Vic

04-AUG-2020

REPORT OF ANALYSIS

Page: 9 of 15

Report No. RN1282818

Client :	AUSTRALIAN CONSUMER'S ASSOCIATION CHOICE 57 CARRINGTON ROAD MARRICKVILLE NSW 2204	Job No. :	AUSC17/200716
Attention :	s22(1)(a)(ii)	Quote No. :	QT-01471
Project Name :		Order No. :	
Your Client Services Manager :	s 22(1)(a)(ii)	Date Sampled :	
		Date Received :	16-JUL-2020
		Sampled By :	CLIENT
		Phone :	s 22(1)(a)(ii)

Lab Reg No.	Sample Ref	Sample Description
V20/015645	CH17	Thankyou Hand Sanitiser 50mL
V20/015646	CH18	The Balnea Body Company Instant Hand Sanitiser 50mL

Lab Reg No.		V20/015645	V20/015646	
Sample Reference	Units	CH17	CH18	Method
Alcoholic Products				
Ethanol	%v/v	61	68	VL315
Iso-Propanol	%v/v	<5	<5	VL315

s 22(1)(a)(ii)

s22(1)(a)(ii) Analyst
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04-AUG-2020

REPORT OF ANALYSIS

Page: 10 of 15

Report No. RN1282818

Client :	AUSTRALIAN CONSUMER'S ASSOCIATION CHOICE 57 CARRINGTON ROAD MARRICKVILLE NSW 2204	Job No. :	AUSC17/200716
Attention :	(b)(1)(c)ZCS	Quote No. :	QT-01471
Project Name :		Order No. :	
Your Client Services Manager :	s 22(1)(a)(ii)	Date Sampled :	
		Date Received :	16-JUL-2020
		Sampled By :	CLIENT
		Phone :	s 22(1)(a)(ii)

Lab Reg No.	Sample Ref	Sample Description
V20/015647	CH19	The Balnea Body Company Instant Hand Sanitiser 200mL
V20/015648	CH20	Rifeshow Blue Safety 75% alcohol Hand Sanitizer Gel 500mL

Lab Reg No.		V20/015647	V20/015648	
Sample Reference	Units	CH19	CH20	Method
Alcoholic Products				
Ethanol	%v/v	66	72	VL315
Iso-Propanol	%v/v	<5	<5	VL315

s 22(1)(a)(ii)

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04-AUG-2020

REPORT OF ANALYSIS

Page: 11 of 15

Report No. RN1282818

Client :	AUSTRALIAN CONSUMER'S ASSOCIATION CHOICE 57 CARRINGTON ROAD MARRICKVILLE NSW 2204	Job No. :	AUSC17/200716
Attention :	s22(1)(a)(ii)	Quote No. :	QT-01471
Project Name :		Order No. :	
Your Client Services Manager :	s 22(1)(a)(ii)	Date Sampled :	
		Date Received :	16-JUL-2020
		Sampled By :	CLIENT
		Phone :	s 22(1)(a)(ii)

Lab Reg No.	Sample Ref	Sample Description
V20/015649	CH21	Health + Beauty Instant Hand Sanitiser 500mL
V20/015650	CH22	La Clinica All-Purpose Fast Acting Hand Sanitiser 500mL

Lab Reg No.		V20/015649	V20/015650	
Sample Reference	Units	CH21	CH22	Method
Alcoholic Products				
Ethanol	%v/v	67	71	VL315
Iso-Propanol	%v/v	<5	<5	VL315

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04-AUG-2020

REPORT OF ANALYSIS

Page: 12 of 15

Report No. RN1282818

Client :	AUSTRALIAN CONSUMER'S ASSOCIATION CHOICE 57 CARRINGTON ROAD MARRICKVILLE NSW 2204	Job No. :	AUSC17/200716
Attention :	(ii)(e)(1)ZZS	Quote No. :	QT-01471
Project Name :		Order No. :	
Your Client Services Manager :	s 22(1)(a)(ii)	Date Sampled :	
		Date Received :	16-JUL-2020
		Sampled By :	CLIENT
		Phone :	s 22(1)(a)(ii)

Lab Reg No.	Sample Ref	Sample Description
V20/015651	CH23	Goat Antibacterial Hand Sanitiser 120mL
V20/015652	CH24	X-20 Sanitising Spray 120mL

Lab Reg No.		V20/015651	V20/015652	
Sample Reference	Units	CH23	CH24	Method
Alcoholic Products				
Ethanol	%v/v	68	76	VL315
Iso-Propanol	%v/v	< 5	< 5	VL315

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Inorganics - Vic

04-AUG-2020

REPORT OF ANALYSIS

Page: 13 of 15

Report No. RN1282818

Client :	AUSTRALIAN CONSUMER'S ASSOCIATION CHOICE 57 CARRINGTON ROAD MARRICKVILLE NSW 2204	Job No. :	AUSC17/200716
Attention :	s22(1)(a)(ii)	Quote No. :	QT-01471
Project Name :		Order No. :	
Your Client Services Manager :	s 22(1)(a)(ii)	Date Sampled :	
		Date Received :	16-JUL-2020
		Sampled By :	CLIENT
		Phone :	s 22(1)(a)(ii)

Lab Reg No.	Sample Ref	Sample Description
V20/015653	CH25	Band-Aid Iso-propyl Alcohol With Moisturiser 250mL
V20/015654	CH26	Piksters Shield Hand Sanitiser 50mL

Lab Reg No.		V20/015653	V20/015654	
Sample Reference	Units	CH25	CH26	Method
Alcoholic Products				
Ethanol	%v/v	<5	70	VL315
Iso-Propanol	%v/v	63	<5	VL315

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Inorganics - Vic

04-AUG-2020

REPORT OF ANALYSIS

Page: 14 of 15

Report No. RN1282818

Client :	AUSTRALIAN CONSUMER'S ASSOCIATION CHOICE 57 CARRINGTON ROAD MARRICKVILLE NSW 2204	Job No. :	AUSC17/200716
Attention :	(ii)(e)(1)ZZS	Quote No. :	QT-01471
Project Name :		Order No. :	
Your Client Services Manager :	s 22(1)(a)(ii)	Date Sampled :	
		Date Received :	16-JUL-2020
		Sampled By :	CLIENT
		Phone :	s 22(1)(a)(ii)

Lab Reg No.	Sample Ref	Sample Description
V20/015655	CH27	Seven Wonders Antibacterial Hand Gel 75mL
V20/015656	CH28	Isocol Multipurpose Spray 75mL

Lab Reg No.		V20/015655	V20/015656	
Sample Reference	Units	CH27	CH28	Method
Alcoholic Products				
Ethanol	%v/v	75	<5	VL315
Iso-Propanol	%v/v	<5	64	VL315

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04-AUG-2020

REPORT OF ANALYSIS

Page: 15 of 15

Report No. RN1282818

Client : AUSTRALIAN CONSUMER'S ASSOCIATION CHOICE 57 CARRINGTON ROAD MARRICKVILLE NSW 2204	Job No. : AUSC17/200716 Quote No. : QT-01471 Order No. : Date Sampled : Date Received : 16-JUL-2020 Sampled By : CLIENT
Attention : s22(1)(a)(ii) Project Name : Your Client Services Manager : s 22(1)(a)(ii)	Phone : s 22(1)(a)(ii)

Lab Reg No.	Sample Ref	Sample Description
V20/015657	CH29	Aldi Tricare Instant Hand Sanitiser 250mL
V20/015658	CH30	Bug-grrr Off Eucyl Antibacterial Hand Sanitiser Gel 50mL

Lab Reg No.		V20/015657	V20/015658	
Sample Reference	Units	CH29	CH30	Method
Alcoholic Products				
Ethanol	%v/v	76	66	VL315
Iso-Propanol	%v/v	<5	<5	VL315

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REPORT OF ANALYSIS

Page: 1 of 16

Report No. RN1292011

Client :	AUSTRALIAN CONSUMER'S ASSOCIATION CHOICE 57 CARRINGTON ROAD MARRICKVILLE NSW 2204	Job No. :	AUSC17/200929
Attention :	s22(1)(a)(ii)	Quote No. :	QT-01471
Project Name :		Order No. :	
Your Client Services Manager :	s 22(1)(a)(ii)	Date Sampled :	
		Date Received :	29-SEP-2020
		Sampled By :	CLIENT
		Phone :	s 22(1)(a)(ii)

Lab Reg No.	Sample Ref	Sample Description
V20/021239	CH01	1st Care Instant Hand Sanitiser Gel 500mL
V20/021240	CH02	1st Guard Hand sanitizer 80% alcohol 575mL

Lab Reg No.		V20/021239	V20/021240	
Sample Reference	Units	CH01	CH02	Method
Alcoholic Products				
Ethanol	%v/v	64	81	VL315
Iso-Propanol	%v/v	< 5	< 5	VL315

Devika Koditwala

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27-OCT-2020

REPORT OF ANALYSIS

Page: 2 of 16

Report No. RN1292011

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Attention	: s22(1)(a)(ii)	Quote No.	: QT-01471
Project Name	:	Order No.	:
Your Client Services Manager	: s 22(1)(a)(ii)	Date Sampled	:
		Date Received	: 29-SEP-2020
		Sampled By	: CLIENT
		Phone	: s 22(1)(a)(ii)

Lab Reg No.	Sample Ref	Sample Description
V20/021241	CH04	2Pure Instant Liquid Hand Sanitiser 300mL
V20/021242	CH05	Aqium Antibacterial Hand Sanitiser Ultra 375mL

Lab Reg No.		V20/021241	V20/021242	
Sample Reference	Units	CH04	CH05	Method
Alcoholic Products				
Ethanol	%v/v	78	72	VL315
Iso-Propanol	%v/v	< 5	< 5	VL315

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27-OCT-2020

REPORT OF ANALYSIS

Page: 3 of 16

Report No. RN1292011

Client : AUSTRALIAN CONSUMER'S ASSOCIATION CHOICE 57 CARRINGTON ROAD MARRICKVILLE NSW 2204	Job No. : AUSC17/200929 Quote No. : QT-01471 Order No. : Date Sampled : Date Received : 29-SEP-2020 Sampled By : CLIENT
Attention : s22(1)(a)(ii)	Phone : s 22(1)(a)(ii)
Project Name :	
Your Client Services Manager : s 22(1)(a)(ii)	

Lab Reg No.	Sample Ref	Sample Description
V20/021243	CH06	Archie Rose Hand Sanitiser 250mL
V20/021244	CH07	Ballaray Hand and household Sanitizer spray with Australian Tea Tree Oil 100mL

Lab Reg No.		V20/021243	V20/021244	
Sample Reference	Units	CH06	CH07	Method
Alcoholic Products				
Ethanol	%v/v	65	79	VL315
Iso-Propanol	%v/v	< 5	< 5	VL315

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Inorganics - Vic

27-OCT-2020

REPORT OF ANALYSIS

Page: 4 of 16

Report No. RN1292011

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Attention	: s22(1)(a)(ii)	Quote No.	: QT-01471
Project Name	:	Order No.	:
Your Client Services Manager	: s 22(1)(a)(ii)	Date Sampled	:
		Date Received	: 29-SEP-2020
		Sampled By	: CLIENT
		Phone	: s 22(1)(a)(ii)

Lab Reg No.	Sample Ref	Sample Description
V20/021245	CH08	Brookies Hand & surface santiser 500mL
V20/021246	CH09	Clean Plus Instant hand sanitiser 500mL

Lab Reg No.		V20/021245	V20/021246	
Sample Reference	Units	CH08	CH09	Method
Alcoholic Products				
Ethanol	%v/v	72	62	VL315
Iso-Propanol	%v/v	< 5	14	VL315

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Inorganics - Vic

27-OCT-2020

REPORT OF ANALYSIS

Page: 5 of 16

Report No. RN1292011

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Attention	: s22(1)(a)(ii)	Quote No.	: QT-01471
Project Name	:	Order No.	:
Your Client Services Manager	: s 22(1)(a)(ii)	Date Sampled	:
		Date Received	: 29-SEP-2020
		Sampled By	: CLIENT
		Phone	: s 22(1)(a)(ii)

Lab Reg No.	Sample Ref	Sample Description
V20/021247	CH10	Elyptol Antimicrobial Hand Sanitiser Gel 250mL
V20/021248	CH11	Euca Hand Sanitiser Spray Bottle 50mL

Lab Reg No.		V20/021247	V20/021248	
Sample Reference	Units	CH10	CH11	Method
Alcoholic Products				
Ethanol	%v/v	73	71	VL315
Iso-Propanol	%v/v	< 5	< 5	VL315

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Inorganics - Vic

27-OCT-2020

REPORT OF ANALYSIS

Page: 6 of 16

Report No. RN1292011

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Attention : s22(1)(a)(ii)	Phone : s 22(1)(a)(ii)
Project Name :	
Your Client Services Manager : s 22(1)(a)(ii)	

Lab Reg No.	Sample Ref	Sample Description
V20/021249	CH12	Euca Hand Gienic - Hygiene Alcohol Hand Rub 40mL
V20/021250	CH13	I-Fresh Instant Hand Sanitiser 500mL

Lab Reg No.		V20/021249	V20/021250	
Sample Reference	Units	CH12	CH13	Method
Alcoholic Products				
Ethanol	%v/v	76	75	VL315
Iso-Propanol	%v/v	< 5	< 5	VL315

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Inorganics - Vic

27-OCT-2020

REPORT OF ANALYSIS

Page: 7 of 16

Report No. RN1292011

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Attention :	s22(1)(a)(ii)	Quote No. :	QT-01471
Project Name :		Order No. :	
Your Client Services Manager :	s 22(1)(a)(ii)	Date Sampled :	
		Date Received :	29-SEP-2020
		Sampled By :	CLIENT
		Phone :	s 22(1)(a)(ii)

Lab Reg No.	Sample Ref	Sample Description
V20/021251	CH14	Jaeger Australia Medi-San Antibacterial Hand Sanitiser 500mL
V20/021252	CH15	Jasol Instant Hand Sanitiser 500mL

Lab Reg No.		V20/021251	V20/021252	
Sample Reference	Units	CH14	CH15	Method
Alcoholic Products				
Ethanol	%v/v	73	66	VL315
Iso-Propanol	%v/v	< 5	< 5	VL315

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Inorganics - Vic

27-OCT-2020

REPORT OF ANALYSIS

Page: 8 of 16

Report No. RN1292011

Client	: AUSTRALIAN CONSUMER'S ASSOCIATION CHOICE 57 CARRINGTON ROAD MARRICKVILLE NSW 2204	Job No.	: AUSC17/200929
Attention	: s22(1)(a)(ii)	Quote No.	: QT-01471
Project Name	:	Order No.	:
Your Client Services Manager	: s 22(1)(a)(ii)	Date Sampled	:
		Date Received	: 29-SEP-2020
		Sampled By	: CLIENT
		Phone	: s 22(1)(a)(ii)

Lab Reg No.	Sample Ref	Sample Description
V20/021253	CH16	Jasol Titan Washroom Hand Sanitiser 500mL
V20/021254	CH17	Luca Hand Sanitiser with wildflower scent 500mL

Lab Reg No.		V20/021253	V20/021254	
Sample Reference	Units	CH16	CH17	Method
Alcoholic Products				
Ethanol	%v/v	78	77	VL315
Iso-Propanol	%v/v	< 5	< 5	VL315

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Inorganics - Vic

27-OCT-2020

REPORT OF ANALYSIS

Page: 9 of 16

Report No. RN1292011

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Attention	: s22(1)(a)(ii)	Quote No.	: QT-01471
Project Name	:	Order No.	:
Your Client Services Manager	: s 22(1)(a)(ii)	Date Sampled	:
		Date Received	: 29-SEP-2020
		Sampled By	: CLIENT
		Phone	: s 22(1)(a)(ii)

Lab Reg No.	Sample Ref	Sample Description
V20/021255	CH18	Miaoyue 75% Alcohol Instant Hand Sanitiser 100mL
V20/021256	CH19	My Healthstyle Instant Hand Sanitiser Gel Aloe Vera 500mL

Lab Reg No.		V20/021255	V20/021256	
Sample Reference	Units	CH18	CH19	Method
Alcoholic Products				
Ethanol	%v/v	77	77	VL315
Iso-Propanol	%v/v	< 5	< 5	VL315

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Inorganics - Vic

27-OCT-2020

REPORT OF ANALYSIS

Page: 10 of 16

Report No. RN1292011

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Attention : s22(1)(a)(ii)	Phone : s 22(1)(a)(ii)
Project Name :	
Your Client Services Manager : s 22(1)(a)(ii)	

Lab Reg No.	Sample Ref	Sample Description
V20/021257	CH20	Northfork Hand Sanitiser Gel Coconut and Vanilla 500mL
V20/021258	CH21	Oakwood Hand Sanitiser 100mL

Lab Reg No.		V20/021257	V20/021258	
Sample Reference	Units	CH20	CH21	Method
Alcoholic Products				
Ethanol	%v/v	56	79	VL315
Iso-Propanol	%v/v	18	< 5	VL315

s 22(1)(a)(ii)

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Inorganics - Vic

27-OCT-2020

REPORT OF ANALYSIS

Page: 11 of 16

Report No. RN1292011

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Attention :	s22(1)(a)(ii)	Quote No. :	QT-01471
Project Name :		Order No. :	
Your Client Services Manager :	s 22(1)(a)(ii)	Date Sampled :	
		Date Received :	29-SEP-2020
		Sampled By :	CLIENT
		Phone :	s 22(1)(a)(ii)

Lab Reg No.	Sample Ref	Sample Description
V20/021259	CH22	Oomph Instant Hand Sanitiser 500mL
V20/021260	CH23	Orchard De Flore Wash free Instant Hand Sanitiser 500mL

Lab Reg No.		V20/021259	V20/021260	
Sample Reference	Units	CH22	CH23	Method
Alcoholic Products				
Ethanol	%v/v	73	62	VL315
Iso-Propanol	%v/v	< 5	< 5	VL315

s 22(1)(a)(ii)

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Inorganics - Vic

27-OCT-2020

REPORT OF ANALYSIS

Page: 12 of 16

Report No. RN1292011

Client : AUSTRALIAN CONSUMER'S ASSOCIATION CHOICE 57 CARRINGTON ROAD MARRICKVILLE NSW 2204	Job No. : AUSC17/200929 Quote No. : QT-01471 Order No. : Date Sampled : Date Received : 29-SEP-2020 Sampled By : CLIENT
Attention : s22(1)(a)(ii)	Phone : s 22(1)(a)(ii)
Project Name :	
Your Client Services Manager : s 22(1)(a)(ii)	

Lab Reg No.	Sample Ref	Sample Description
V20/021261	CH24	Our Pure Planet Antibacterial Hand Sanitiser 500mL
V20/021262	CH25	Scotts Instant hand sanitiser 1000mL

Lab Reg No.		V20/021261	V20/021262	
Sample Reference	Units	CH24	CH25	Method
Alcoholic Products				
Ethanol	%v/v	76	72	VL315
Iso-Propanol	%v/v	< 5	< 5	VL315

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Inorganics - Vic

27-OCT-2020

REPORT OF ANALYSIS

Page: 13 of 16

Report No. RN1292011

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Attention	: s22(1)(a)(ii)	Quote No.	: QT-01471
Project Name	:	Order No.	:
Your Client Services Manager	: s 22(1)(a)(ii)	Date Sampled	:
		Date Received	: 29-SEP-2020
		Sampled By	: CLIENT
		Phone	: s 22(1)(a)(ii)

Lab Reg No.	Sample Ref	Sample Description
V20/021263	CH26	Scotts Instant hand sanitiser 950mL
V20/021264	CH27	Soap 2 Go Hand Sanitiser 1000mL

Lab Reg No.		V20/021263	V20/021264	
Sample Reference	Units	CH26	CH27	Method
Alcoholic Products				
Ethanol	%v/v	71	65	VL315
Iso-Propanol	%v/v	< 5	< 5	VL315

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Inorganics - Vic

27-OCT-2020

REPORT OF ANALYSIS

Page: 14 of 16

Report No. RN1292011

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Attention : s22(1)(a)(ii)	Phone : s 22(1)(a)(ii)
Project Name :	
Your Client Services Manager : s 22(1)(a)(ii)	

Lab Reg No.	Sample Ref	Sample Description
V20/021265	CH28	Woolworths Medi-pure kids Instant Hand Sanitiser 30mL
V20/021266	CH29	Swisscare Instant Hand Sanitizer 100mL

Lab Reg No.		V20/021265	V20/021266	
Sample Reference	Units	CH28	CH29	Method
Alcoholic Products				
Ethanol	%v/v	69	69	VL315
Iso-Propanol	%v/v	< 5	< 5	VL315

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Inorganics - Vic

27-OCT-2020

REPORT OF ANALYSIS

Page: 15 of 16

Report No. RN1292011

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Attention	: s22(1)(a)(ii)	Quote No.	: QT-01471
Project Name	:	Order No.	:
Your Client Services Manager	: s 22(1)(a)(ii)	Date Sampled	:
		Date Received	: 29-SEP-2020
		Sampled By	: CLIENT
		Phone	: s 22(1)(a)(ii)

Lab Reg No.	Sample Ref	Sample Description
V20/021267	CH30	Trafalgar Antibacterial Hand Sanitiser 125mL
V20/021268	CH31	Wheels & Barrow Liquid Sanitiser 250mL

Lab Reg No.		V20/021267	V20/021268	
Sample Reference	Units	CH30	CH31	Method
Alcoholic Products				
Ethanol	%v/v	67	72	VL315
Iso-Propanol	%v/v	< 5	< 5	VL315

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27-OCT-2020

REPORT OF ANALYSIS

Page: 16 of 16

Report No. RN1292011

Client	: AUSTRALIAN CONSUMER'S ASSOCIATION CHOICE 57 CARRINGTON ROAD MARRICKVILLE NSW 2204	Job No.	: AUSC17/200929
Attention	: s22(1)(a)(ii)	Quote No.	: QT-01471
Project Name	:	Order No.	:
Your Client Services Manager	: s 22(1)(a)(ii)	Date Sampled	:
		Date Received	: 29-SEP-2020
		Sampled By	: CLIENT
		Phone	: s 22(1)(a)(ii)

Lab Reg No.	Sample Ref	Sample Description
V20/021269	CH32	White Knight Antibacterial Hand Sanitiser 500mL

Lab Reg No.	Sample Reference	Units	Method
V20/021269	CH32		
Alcoholic Products			
Ethanol	%v/v	52	VL315
Iso-Propanol	%v/v	< 5	VL315

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AUSTRALIAN CONSUMER'S ASSOCIATION
 CHOICE
 57 CARRINGTON RD
 MARRICKVILLE NSW 2204

 Attn : s22(1)(a)(ii)
 (Test Requested By : s22(1)(a)(ii))

TAX INVOICE
V250691

ABN 74 599 608 295

TERMS: NET 30 Days

Account Code: AUSC17/D000621 Client ABN 72000281925
 Purchase Order:
 Date: 26-JUN-2020

Service Provided

Analysis Fees	\$ 600.00
Handling Fee	\$ 30.00
Total	\$ 630.00
GST @ 10%	\$ 63.00

TOTAL Including GST
\$ 693.00
Due By: 26-JUL-2020

See detailed information on following page/s.

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Billor Code: 980375
 Ref No: 32506917

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 EFT Reference: D000621
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Date: 26-JUN-2020 AUSTRALIAN CONSUMER'S ASSOCIATION

Tax Invoice V250691

NMI Job Name
AUSC17/200603

Lab Reg No	Customs Entry	Sample Ref	Rec Date	Sample Description
V20/011807		A	3-JUN-2020	SANITISER A

Test Description	No of Tests	Unit Cost	Total
Ethanol & Isopropanol in Hand Sanitiser	1	300.00	300.00
		Total:	300.00

Lab Reg No	Customs Entry	Sample Ref	Rec Date	Sample Description
V20/011808		B	3-JUN-2020	SANITISER B

Test Description	No of Tests	Unit Cost	Total
Ethanol & Isopropanol in Hand Sanitiser	1	300.00	300.00
		Total:	300.00

The lodgement of an order or receipt of samples for NMI services referenced in this invoice constitutes an acceptance of the current version of NMI Terms and Conditions or other applicable Terms referenced in the NMI Quotation. NMI Terms and Conditions are available on the web at <https://www.industry.gov.au/client-services/testing-and-analysis-services/chemical-and-biological-analysis-services-terms-and-conditions>

END OF INVOICE

Page: 2



Australian Government
 Department of Industry, Science,
 Energy and Resources

**National
 Measurement
 Institute**

Phone No: +61 2 6213 6145
 Fax No: +61 2 6213 6808
 Email: accounts.receivable@measurement.gov.au
 Website: www.measurement.gov.au

AUSTRALIAN CONSUMER'S ASSOCIATION
 CHOICE
 57 CARRINGTON RD
 MARRICKVILLE NSW 2204

 Attn : s22(1)(a)(ii)
 (Test Requested By : s22(1)(a)(ii))

TAX INVOICE
V251724

ABN 74 599 608 295

TERMS: NET 30 Days

Account Code: AUSC17/D000621 Client ABN 72000281925
 Purchase Order:
 Date: 7-AUG-2020

Service Provided

Analysis Fees	\$ 7500.00
Handling Fee	\$ 30.00
Total	\$ 7530.00
GST @ 10%	\$ 753.00

TOTAL Including GST
\$ 8283.00
Due By: 6-SEP-2020

See detailed information on following page/s.

How To Pay

Mail Payment To

By Credit Card

BPAY®



Billor Code: 980375
 Ref No: 32517245

BSB No:, 092-009
 Account No: 11871-8
 Internat. Swift No: RSBKAU2S
 EFT Reference: D000621
 EFT Remittance Fax to: 02 6213 6808

Collector of Public Monies
 GPO Box 2013,
 CANBERRA, ACT, 2601
 Invoice: V251724

Go to:
<http://shop.measurement.gov.au/pages/eway-payment>
 to pay by Visa or MasterCard
 Reference: 18132517246

Telephone & Internet Banking - BPAY®
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 to make this payment from your cheque or
 savings account.
 More info: www.bpay.com.au

Date: 7-AUG-2020 AUSTRALIAN CONSUMER'S ASSOCIATION

Tax Invoice V251724

NMI Job Name Client Project
AUSC17/200716

Lab Reg No	Customs Entry	Sample Ref	Rec Date	Sample Description	
V20/015629		CH01	16-JUL-2020	Air Clean Instant Hand Sanitiser 10	
Test Description			No of Tests	Unit Cost	Total
Ethanol & Isopropanol in Hand Sanitiser			1	250.00	250.00
				Total:	250.00

Lab Reg No	Customs Entry	Sample Ref	Rec Date	Sample Description	
V20/015630		CH02	16-JUL-2020	Bactive Hand Sanitiser 50mL	
Test Description			No of Tests	Unit Cost	Total
Ethanol & Isopropanol in Hand Sanitiser			1	250.00	250.00
				Total:	250.00

Lab Reg No	Customs Entry	Sample Ref	Rec Date	Sample Description	
V20/015631		CH03	16-JUL-2020	Careline Care Touch Instant Hand Sa	
Test Description			No of Tests	Unit Cost	Total
Ethanol & Isopropanol in Hand Sanitiser			1	250.00	250.00
				Total:	250.00

Lab Reg No	Customs Entry	Sample Ref	Rec Date	Sample Description	
V20/015632		CH04	16-JUL-2020	Dettol Healthy Touch Instant Hand S	
Test Description			No of Tests	Unit Cost	Total
Ethanol & Isopropanol in Hand Sanitiser			1	250.00	250.00
				Total:	250.00

Lab Reg No	Customs Entry	Sample Ref	Rec Date	Sample Description	
V20/015633		CH05	16-JUL-2020	Lifebuoy Hand Sanitiser 50mL	
Test Description			No of Tests	Unit Cost	Total
Ethanol & Isopropanol in Hand Sanitiser			1	250.00	250.00
				Total:	250.00

Lab Reg No	Customs Entry	Sample Ref	Rec Date	Sample Description	
V20/015634		CH06	16-JUL-2020	Lifebuoy Hand Sanitiser Spray 150mL	
Test Description			No of Tests	Unit Cost	Total
Ethanol & Isopropanol in Hand Sanitiser			1	250.00	250.00

Date: 7-AUG-2020 AUSTRALIAN CONSUMER'S ASSOCIATION

Tax Invoice V251724

 Total: 250.00

Lab Reg No	Customs Entry	Sample Ref	Rec Date	Sample Description	
V20/015635		CH07	16-JUL-2020	Ozcare Instant Hand Sanitiser Gel 2	
Test Description			No of Tests	Unit Cost	Total
Ethanol & Isopropanol in Hand Sanitiser			1	250.00	250.00
				Total:	250.00

Lab Reg No	Customs Entry	Sample Ref	Rec Date	Sample Description	
V20/015636		CH08	16-JUL-2020	Oz-guard Instant Hand Sanitiser 60m	
Test Description			No of Tests	Unit Cost	Total
Ethanol & Isopropanol in Hand Sanitiser			1	250.00	250.00
				Total:	250.00

Lab Reg No	Customs Entry	Sample Ref	Rec Date	Sample Description	
V20/015637		CH09	16-JUL-2020	Palmolive Hand Sanitiser Japanese C	
Test Description			No of Tests	Unit Cost	Total
Ethanol & Isopropanol in Hand Sanitiser			1	250.00	250.00
				Total:	250.00

Lab Reg No	Customs Entry	Sample Ref	Rec Date	Sample Description	
V20/015638		CH10	16-JUL-2020	Palmolive Hand Sanitiser Lemon and	
Test Description			No of Tests	Unit Cost	Total
Ethanol & Isopropanol in Hand Sanitiser			1	250.00	250.00
				Total:	250.00

Lab Reg No	Customs Entry	Sample Ref	Rec Date	Sample Description	
V20/015639		CH11	16-JUL-2020	Skin Nutrient Hand Sanitiser 50mL	
Test Description			No of Tests	Unit Cost	Total
Ethanol & Isopropanol in Hand Sanitiser			1	250.00	250.00
				Total:	250.00

Lab Reg No	Customs Entry	Sample Ref	Rec Date	Sample Description	
V20/015640		CH12	16-JUL-2020	Soodox Vytal Antibacterial Hand San	
Test Description			No of Tests	Unit Cost	Total
Ethanol & Isopropanol in Hand Sanitiser			1	250.00	250.00

Date: 7-AUG-2020 AUSTRALIAN CONSUMER'S ASSOCIATION

Tax Invoice V251724

 Total: 250.00

Lab Reg No	Customs Entry	Sample Ref	Rec Date	Sample Description	
V20/015641		CH13	16-JUL-2020	Soodox Vytal Antibacterial Hand San	
Test Description			No of Tests	Unit Cost	Total
Ethanol & Isopropanol in Hand Sanitiser			1	250.00	250.00
				Total:	250.00

Lab Reg No	Customs Entry	Sample Ref	Rec Date	Sample Description	
V20/015642		CH14	16-JUL-2020	Soodox Vytal Antibacterial Hand San	
Test Description			No of Tests	Unit Cost	Total
Ethanol & Isopropanol in Hand Sanitiser			1	250.00	250.00
				Total:	250.00

Lab Reg No	Customs Entry	Sample Ref	Rec Date	Sample Description	
V20/015643		CH15	16-JUL-2020	Sukin Antibacterial Hand Sanitiser	
Test Description			No of Tests	Unit Cost	Total
Ethanol & Isopropanol in Hand Sanitiser			1	250.00	250.00
				Total:	250.00

Lab Reg No	Customs Entry	Sample Ref	Rec Date	Sample Description	
V20/015644		CH16	16-JUL-2020	Swisscare Instant Hand Sanitiser 30	
Test Description			No of Tests	Unit Cost	Total
Ethanol & Isopropanol in Hand Sanitiser			1	250.00	250.00
				Total:	250.00

Lab Reg No	Customs Entry	Sample Ref	Rec Date	Sample Description	
V20/015645		CH17	16-JUL-2020	Thankyou Hand Sanitiser 50mL	
Test Description			No of Tests	Unit Cost	Total
Ethanol & Isopropanol in Hand Sanitiser			1	250.00	250.00
				Total:	250.00

Lab Reg No	Customs Entry	Sample Ref	Rec Date	Sample Description	
V20/015646		CH18	16-JUL-2020	The Balnea Body Company Instant Han	
Test Description			No of Tests	Unit Cost	Total
Ethanol & Isopropanol in Hand Sanitiser			1	250.00	250.00

Date: 7-AUG-2020 AUSTRALIAN CONSUMER'S ASSOCIATION

Tax Invoice V251724

Total: 250.00

Lab Reg No	Customs Entry	Sample Ref	Rec Date	Sample Description
V20/015647		CH19	16-JUL-2020	The Balnea Body Company Instant Han

Test Description	No of Tests	Unit Cost	Total
Ethanol & Isopropanol in Hand Sanitiser	1	250.00	250.00
		Total:	250.00

Lab Reg No	Customs Entry	Sample Ref	Rec Date	Sample Description
V20/015648		CH20	16-JUL-2020	Rifeshow Blue Safety 75% alcohol Ha

Test Description	No of Tests	Unit Cost	Total
Ethanol & Isopropanol in Hand Sanitiser	1	250.00	250.00
		Total:	250.00

Lab Reg No	Customs Entry	Sample Ref	Rec Date	Sample Description
V20/015649		CH21	16-JUL-2020	Health + Beauty Instant Hand Sanitise

Test Description	No of Tests	Unit Cost	Total
Ethanol & Isopropanol in Hand Sanitiser	1	250.00	250.00
		Total:	250.00

Lab Reg No	Customs Entry	Sample Ref	Rec Date	Sample Description
V20/015650		CH22	16-JUL-2020	La Clinica All-Purpose Fast Acting

Test Description	No of Tests	Unit Cost	Total
Ethanol & Isopropanol in Hand Sanitiser	1	250.00	250.00
		Total:	250.00

Lab Reg No	Customs Entry	Sample Ref	Rec Date	Sample Description
V20/015651		CH23	16-JUL-2020	Goat Antibacterial Hand Sanitiser 1

Test Description	No of Tests	Unit Cost	Total
Ethanol & Isopropanol in Hand Sanitiser	1	250.00	250.00
		Total:	250.00

Lab Reg No	Customs Entry	Sample Ref	Rec Date	Sample Description
V20/015652		CH24	16-JUL-2020	X-20 Sanitising Spray 120mL

Test Description	No of Tests	Unit Cost	Total
Ethanol & Isopropanol in Hand Sanitiser	1	250.00	250.00

Date: 7-AUG-2020 AUSTRALIAN CONSUMER'S ASSOCIATION

Tax Invoice V251724

Total: 250.00

Lab Reg No	Customs Entry	Sample Ref	Rec Date	Sample Description	
V20/015653		CH25	16-JUL-2020	Band-Aid Iso-propyl Alcohol With Mo	
Test Description			No of Tests	Unit Cost	Total
Ethanol & Isopropanol in Hand Sanitiser			1	250.00	250.00
				Total:	250.00

Lab Reg No	Customs Entry	Sample Ref	Rec Date	Sample Description	
V20/015654		CH26	16-JUL-2020	Piksters Shield Hand Sanitiser 50mL	
Test Description			No of Tests	Unit Cost	Total
Ethanol & Isopropanol in Hand Sanitiser			1	250.00	250.00
				Total:	250.00

Lab Reg No	Customs Entry	Sample Ref	Rec Date	Sample Description	
V20/015655		CH27	16-JUL-2020	Seven Wonders Antibacterial Hand Ge	
Test Description			No of Tests	Unit Cost	Total
Ethanol & Isopropanol in Hand Sanitiser			1	250.00	250.00
				Total:	250.00

Lab Reg No	Customs Entry	Sample Ref	Rec Date	Sample Description	
V20/015656		CH28	16-JUL-2020	Isocol Multipurpose Spray 75mL	
Test Description			No of Tests	Unit Cost	Total
Ethanol & Isopropanol in Hand Sanitiser			1	250.00	250.00
				Total:	250.00

Lab Reg No	Customs Entry	Sample Ref	Rec Date	Sample Description	
V20/015657		CH29	16-JUL-2020	Aldi Tricare Instant Hand Sanitiser	
Test Description			No of Tests	Unit Cost	Total
Ethanol & Isopropanol in Hand Sanitiser			1	250.00	250.00
				Total:	250.00

Lab Reg No	Customs Entry	Sample Ref	Rec Date	Sample Description	
V20/015658		CH30	16-JUL-2020	Bug-grrr Off Eucyl Antibacterial Ha	
Test Description			No of Tests	Unit Cost	Total
Ethanol & Isopropanol in Hand Sanitiser			1	250.00	250.00

Date: 7-AUG-2020 AUSTRALIAN CONSUMER'S ASSOCIATION

Tax Invoice V251724

Total: 250.00

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END OF INVOICE

Page: 7



Australian Government
Department of Industry, Science,
Energy and Resources

National Measurement Institute

Phone No: +61 2 6213 6145
Fax No: +61 2 6213 6808
Email: accounts.receivable@measurement.gov.au
Website: www.measurement.gov.au

AUSTRALIAN CONSUMER'S ASSOCIATION
CHOICE
57 CARRINGTON RD
MARRICKVILLE NSW 2204

Attn : s22(1)(a)(ii)
(Test Requested By : s22(1)(a)(ii))

TAX INVOICE V253549

ABN 74 599 608 295

TERMS: NET 30 Days

Account Code: AUSC17/D000621 Client ABN 72000281925
Purchase Order:
Date: 28-OCT-2020

Service Provided

Analysis Fees	\$ 7750.00
Handling Fee	\$ 30.00
Total	\$ 7780.00
GST @ 10%	\$ 778.00

TOTAL Including GST

\$ 8558.00

Due By: 27-NOV-2020

See detailed information on following page/s.

How To Pay

Mail Payment To

By Credit Card

BPAY®



Billor Code: 980375
Ref No: 32535494

BSB No.: 092-009
Account No: 11871-8
Internat. Swift No: RSBKAU2S
EFT Reference: D000621
EFT Remittance Fax to: 02 6213 6808

Collector of Public Monies
GPO Box 2013,
CANBERRA, ACT, 2601
Invoice: V253549

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<http://shop.measurement.gov.au/pages/eway-payment>
to pay by Visa or MasterCard
Reference: 18132535495

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savings account.
More info: www.bpay.com.au

Date: 28-OCT-2020 AUSTRALIAN CONSUMER'S ASSOCIATION

Tax Invoice V253549

NMI Job Name Client Project
AUSC17/200929

Lab Reg No	Customs Entry	Sample Ref	Rec Date	Sample Description	
V20/021239		CH01	29-SEP-2020	1st Care Instant Hand Sanitiser Gel	
Test Description			No of Tests	Unit Cost	Total
Ethanol & Isopropanol in Hand Sanitiser			1	250.00	250.00
			Total:	250.00	

Lab Reg No	Customs Entry	Sample Ref	Rec Date	Sample Description	
V20/021240		CH02	29-SEP-2020	1st Guard Hand sanitizer 80% alcoho	
Test Description			No of Tests	Unit Cost	Total
Ethanol & Isopropanol in Hand Sanitiser			1	250.00	250.00
			Total:	250.00	

Lab Reg No	Customs Entry	Sample Ref	Rec Date	Sample Description	
V20/021241		CH04	29-SEP-2020	2Pure Instant Liquid Hand Sanitiser	
Test Description			No of Tests	Unit Cost	Total
Ethanol & Isopropanol in Hand Sanitiser			1	250.00	250.00
			Total:	250.00	

Lab Reg No	Customs Entry	Sample Ref	Rec Date	Sample Description	
V20/021242		CH05	29-SEP-2020	Aqium Antibacterial Hand Sanitiser	
Test Description			No of Tests	Unit Cost	Total
Ethanol & Isopropanol in Hand Sanitiser			1	250.00	250.00
			Total:	250.00	

Lab Reg No	Customs Entry	Sample Ref	Rec Date	Sample Description	
V20/021243		CH06	29-SEP-2020	Archie Rose Hand Sanitiser 250mL	
Test Description			No of Tests	Unit Cost	Total
Ethanol & Isopropanol in Hand Sanitiser			1	250.00	250.00
			Total:	250.00	

Lab Reg No	Customs Entry	Sample Ref	Rec Date	Sample Description	
V20/021244		CH07	29-SEP-2020	Ballaray Hand and household Sanitiz	
Test Description			No of Tests	Unit Cost	Total
Ethanol & Isopropanol in Hand Sanitiser			1	250.00	250.00

Date: 28-OCT-2020 AUSTRALIAN CONSUMER'S ASSOCIATION

Tax Invoice V253549

Total: 250.00

Lab Reg No	Customs Entry	Sample Ref	Rec Date	Sample Description	
V20/021245		CH08	29-SEP-2020	Brookies Hand & surface santiser 50	
Test Description			No of Tests	Unit Cost	Total
Ethanol & Isopropanol in Hand Sanitiser			1	250.00	250.00
				Total:	250.00

Lab Reg No	Customs Entry	Sample Ref	Rec Date	Sample Description	
V20/021246		CH09	29-SEP-2020	Clean Plus Instant hand sanitiser 5	
Test Description			No of Tests	Unit Cost	Total
Ethanol & Isopropanol in Hand Sanitiser			1	250.00	250.00
				Total:	250.00

Lab Reg No	Customs Entry	Sample Ref	Rec Date	Sample Description	
V20/021247		CH10	29-SEP-2020	Elyptol Antimicrobial Hand Sanitise	
Test Description			No of Tests	Unit Cost	Total
Ethanol & Isopropanol in Hand Sanitiser			1	250.00	250.00
				Total:	250.00

Lab Reg No	Customs Entry	Sample Ref	Rec Date	Sample Description	
V20/021248		CH11	29-SEP-2020	Euca Hand Sanitiser Spray Bottle 50	
Test Description			No of Tests	Unit Cost	Total
Ethanol & Isopropanol in Hand Sanitiser			1	250.00	250.00
				Total:	250.00

Lab Reg No	Customs Entry	Sample Ref	Rec Date	Sample Description	
V20/021249		CH12	29-SEP-2020	Euca Hand Gienic - Hygiene Alcohol	
Test Description			No of Tests	Unit Cost	Total
Ethanol & Isopropanol in Hand Sanitiser			1	250.00	250.00
				Total:	250.00

Lab Reg No	Customs Entry	Sample Ref	Rec Date	Sample Description	
V20/021250		CH13	29-SEP-2020	I-Fresh Instant Hand Sanitiser 500m	
Test Description			No of Tests	Unit Cost	Total
Ethanol & Isopropanol in Hand Sanitiser			1	250.00	250.00

Date: 28-OCT-2020 AUSTRALIAN CONSUMER'S ASSOCIATION

Tax Invoice V253549

Total: 250.00

Lab Reg No	Customs Entry	Sample Ref	Rec Date	Sample Description
V20/021251		CH14	29-SEP-2020	Jaeger Australia Medi-San Antibacte
Test Description		No of Tests	Unit Cost	Total
Ethanol & Isopropanol in Hand Sanitiser		1	250.00	250.00
			Total:	250.00

Lab Reg No	Customs Entry	Sample Ref	Rec Date	Sample Description
V20/021252		CH15	29-SEP-2020	Jasol Instant Hand Sanitiser 500mL
Test Description		No of Tests	Unit Cost	Total
Ethanol & Isopropanol in Hand Sanitiser		1	250.00	250.00
			Total:	250.00

Lab Reg No	Customs Entry	Sample Ref	Rec Date	Sample Description
V20/021253		CH16	29-SEP-2020	Jasol Titan Washroom Hand Sanitiser
Test Description		No of Tests	Unit Cost	Total
Ethanol & Isopropanol in Hand Sanitiser		1	250.00	250.00
			Total:	250.00

Lab Reg No	Customs Entry	Sample Ref	Rec Date	Sample Description
V20/021254		CH17	29-SEP-2020	Luca Hand Sanitiser with wildflower
Test Description		No of Tests	Unit Cost	Total
Ethanol & Isopropanol in Hand Sanitiser		1	250.00	250.00
			Total:	250.00

Lab Reg No	Customs Entry	Sample Ref	Rec Date	Sample Description
V20/021255		CH18	29-SEP-2020	Miaoyue 75% Alcohol Instant Hand Sa
Test Description		No of Tests	Unit Cost	Total
Ethanol & Isopropanol in Hand Sanitiser		1	250.00	250.00
			Total:	250.00

Lab Reg No	Customs Entry	Sample Ref	Rec Date	Sample Description
V20/021256		CH19	29-SEP-2020	My Healthstyle Instant Hand Sanitis
Test Description		No of Tests	Unit Cost	Total
Ethanol & Isopropanol in Hand Sanitiser		1	250.00	250.00

Date: 28-OCT-2020 AUSTRALIAN CONSUMER'S ASSOCIATION

Tax Invoice V253549

Total: 250.00

Lab Reg No	Customs Entry	Sample Ref	Rec Date	Sample Description	
V20/021257		CH20	29-SEP-2020	Northfork Hand Sanitiser Gel Coconu	
Test Description			No of Tests	Unit Cost	Total
Ethanol & Isopropanol in Hand Sanitiser			1	250.00	250.00
				Total:	250.00

Lab Reg No	Customs Entry	Sample Ref	Rec Date	Sample Description	
V20/021258		CH21	29-SEP-2020	Oakwood Hand Sanitiser 100mL	
Test Description			No of Tests	Unit Cost	Total
Ethanol & Isopropanol in Hand Sanitiser			1	250.00	250.00
				Total:	250.00

Lab Reg No	Customs Entry	Sample Ref	Rec Date	Sample Description	
V20/021259		CH22	29-SEP-2020	Oomph Instant Hand Sanitiser 500mL	
Test Description			No of Tests	Unit Cost	Total
Ethanol & Isopropanol in Hand Sanitiser			1	250.00	250.00
				Total:	250.00

Lab Reg No	Customs Entry	Sample Ref	Rec Date	Sample Description	
V20/021260		CH23	29-SEP-2020	Orchard De Flore Wash free Instant	
Test Description			No of Tests	Unit Cost	Total
Ethanol & Isopropanol in Hand Sanitiser			1	250.00	250.00
				Total:	250.00

Lab Reg No	Customs Entry	Sample Ref	Rec Date	Sample Description	
V20/021261		CH24	29-SEP-2020	Our Pure Planet Antibacterial Hand	
Test Description			No of Tests	Unit Cost	Total
Ethanol & Isopropanol in Hand Sanitiser			1	250.00	250.00
				Total:	250.00

Lab Reg No	Customs Entry	Sample Ref	Rec Date	Sample Description	
V20/021262		CH25	29-SEP-2020	Scotts Instant hand sanitiser 1000m	
Test Description			No of Tests	Unit Cost	Total
Ethanol & Isopropanol in Hand Sanitiser			1	250.00	250.00

Date: 28-OCT-2020 AUSTRALIAN CONSUMER'S ASSOCIATION

Tax Invoice V253549

 Total: 250.00

Lab Reg No	Customs Entry	Sample Ref	Rec Date	Sample Description	
V20/021263		CH26	29-SEP-2020	Scotts Instant hand sanitiser 950mL	
Test Description			No of Tests	Unit Cost	Total
Ethanol & Isopropanol in Hand Sanitiser			1	250.00	250.00
				Total:	250.00

Lab Reg No	Customs Entry	Sample Ref	Rec Date	Sample Description	
V20/021264		CH27	29-SEP-2020	Soap 2 Go Hand Sanitiser 1000mL	
Test Description			No of Tests	Unit Cost	Total
Ethanol & Isopropanol in Hand Sanitiser			1	250.00	250.00
				Total:	250.00

Lab Reg No	Customs Entry	Sample Ref	Rec Date	Sample Description	
V20/021265		CH28	29-SEP-2020	Woolworths Medi-pure kids Instant H	
Test Description			No of Tests	Unit Cost	Total
Ethanol & Isopropanol in Hand Sanitiser			1	250.00	250.00
				Total:	250.00

Lab Reg No	Customs Entry	Sample Ref	Rec Date	Sample Description	
V20/021266		CH29	29-SEP-2020	Swisscare Instant Hand Sanitizer 10	
Test Description			No of Tests	Unit Cost	Total
Ethanol & Isopropanol in Hand Sanitiser			1	250.00	250.00
				Total:	250.00

Lab Reg No	Customs Entry	Sample Ref	Rec Date	Sample Description	
V20/021267		CH30	29-SEP-2020	Trafalgar Antibacterial Hand Saniti	
Test Description			No of Tests	Unit Cost	Total
Ethanol & Isopropanol in Hand Sanitiser			1	250.00	250.00
				Total:	250.00

Lab Reg No	Customs Entry	Sample Ref	Rec Date	Sample Description	
V20/021268		CH31	29-SEP-2020	Wheels & Barrow Liquid Sanitiser 25	
Test Description			No of Tests	Unit Cost	Total
Ethanol & Isopropanol in Hand Sanitiser			1	250.00	250.00

Date: 28-OCT-2020 AUSTRALIAN CONSUMER'S ASSOCIATION

Tax Invoice V253549

 Total: 250.00

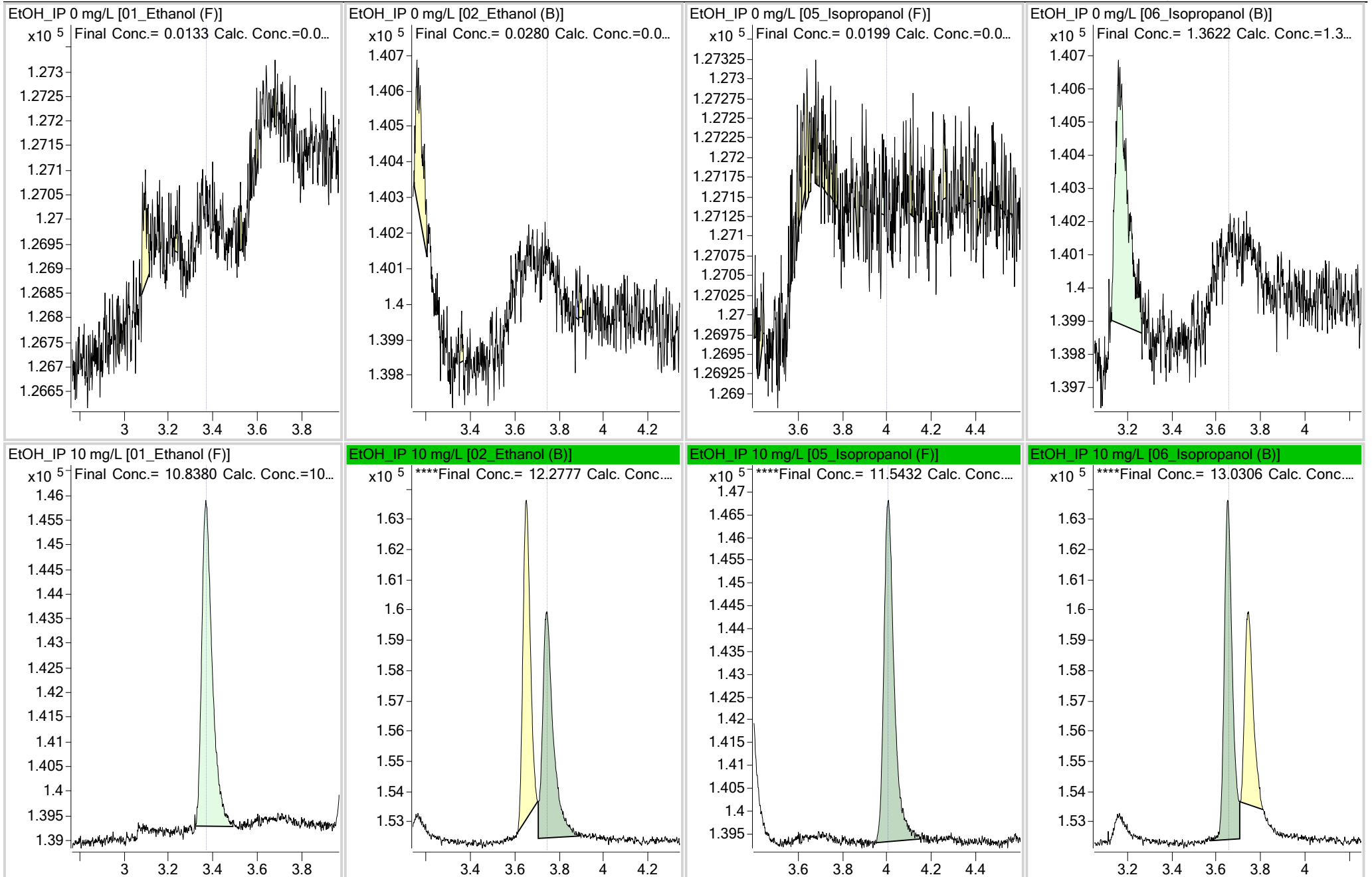
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V20/021269		CH32	29-SEP-2020	White Knight Antibacterial Hand San	
Test Description			No of Tests	Unit Cost	Total
Ethanol & Isopropanol in Hand Sanitiser			1	250.00	250.00
				Total:	250.00

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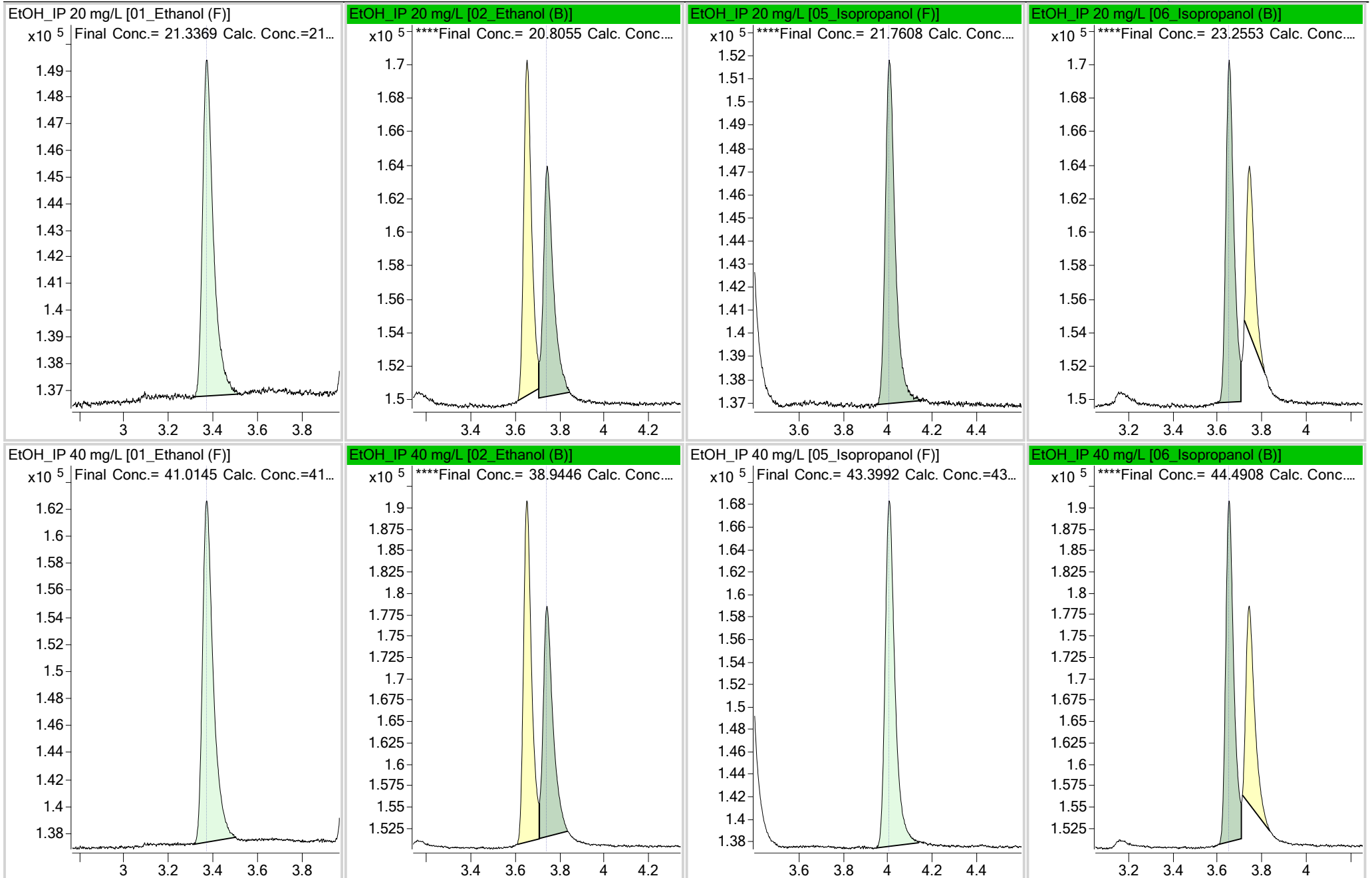
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Page: 7

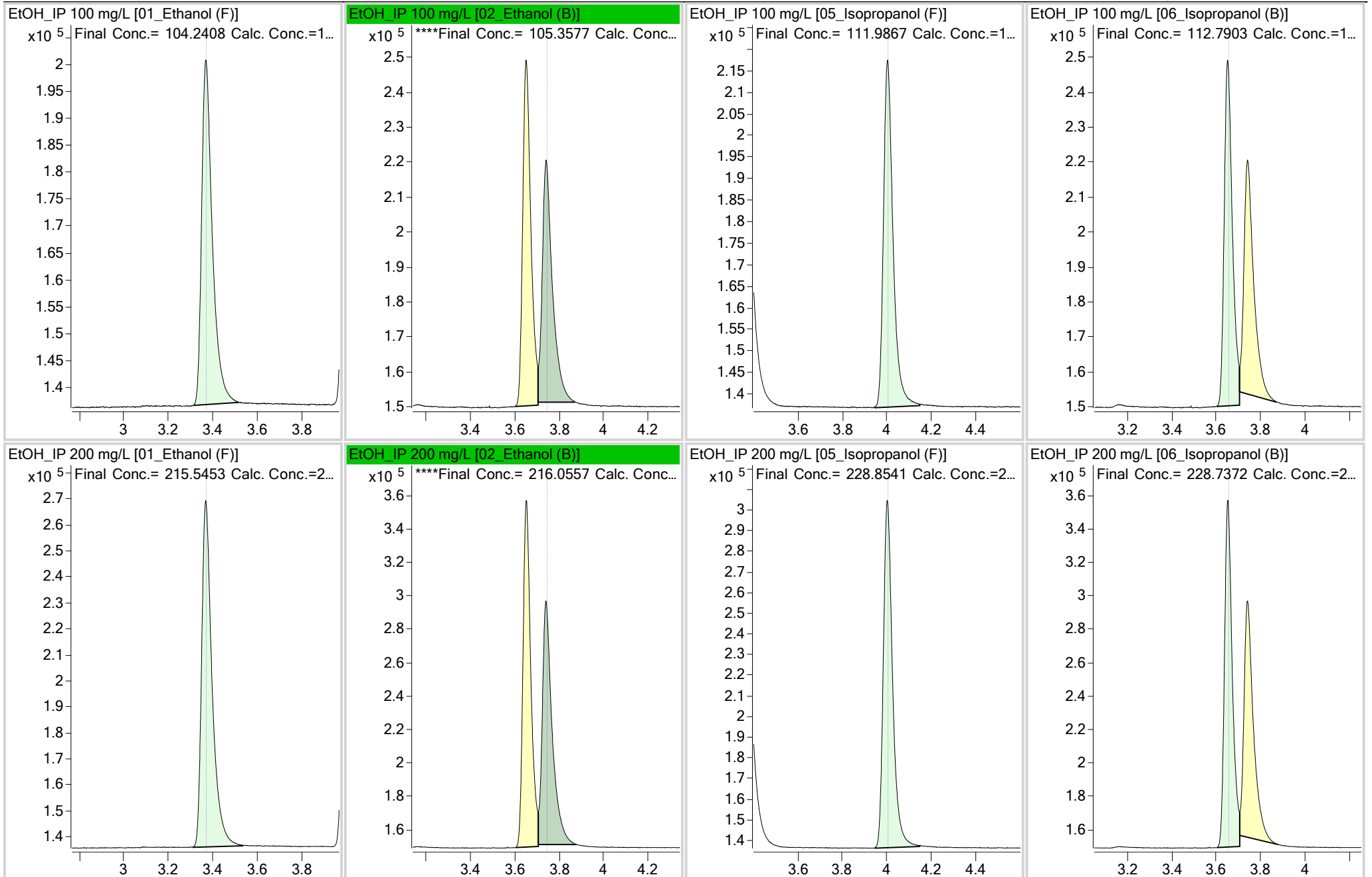
Compounds-at-a-Glance



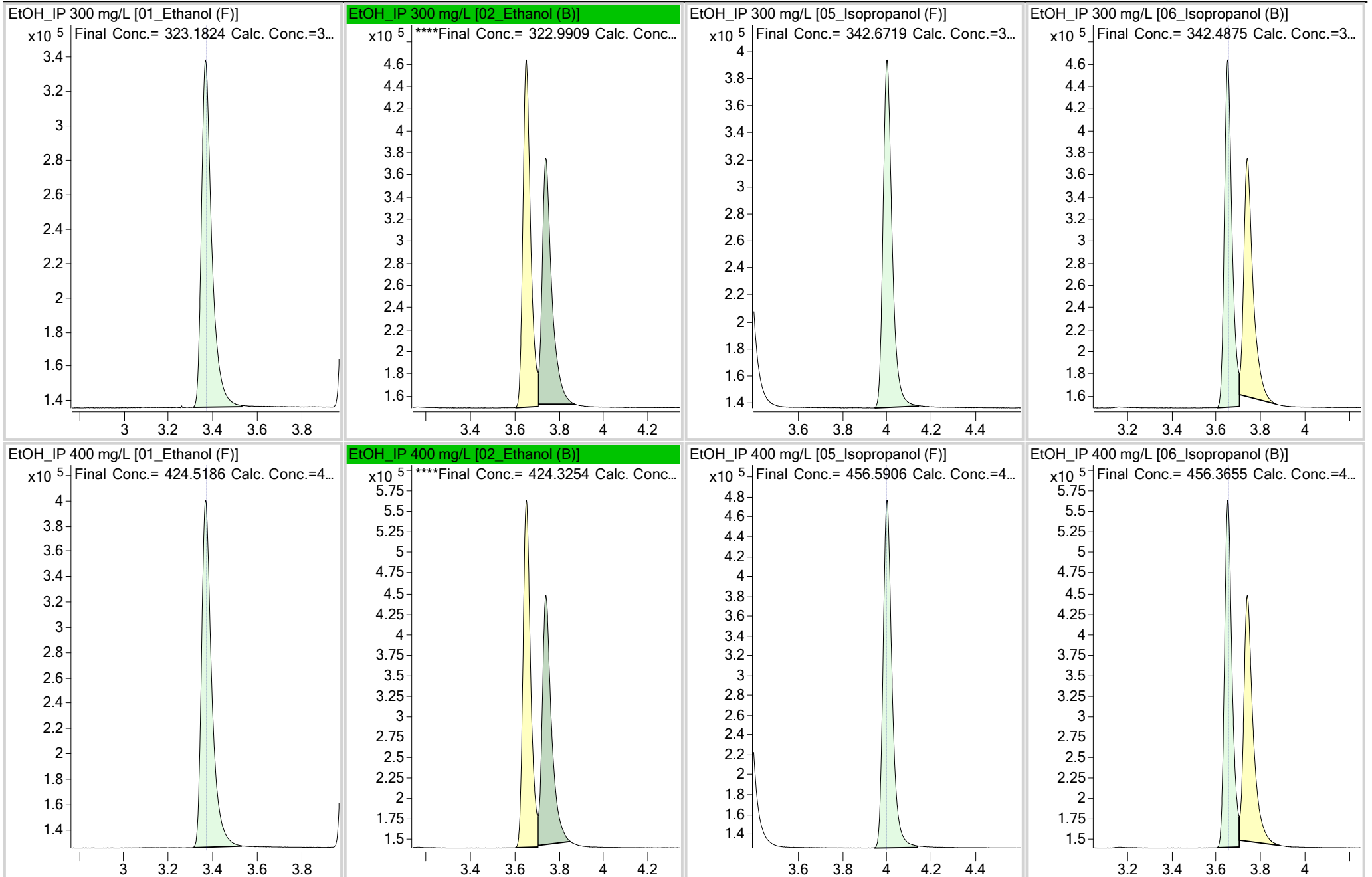
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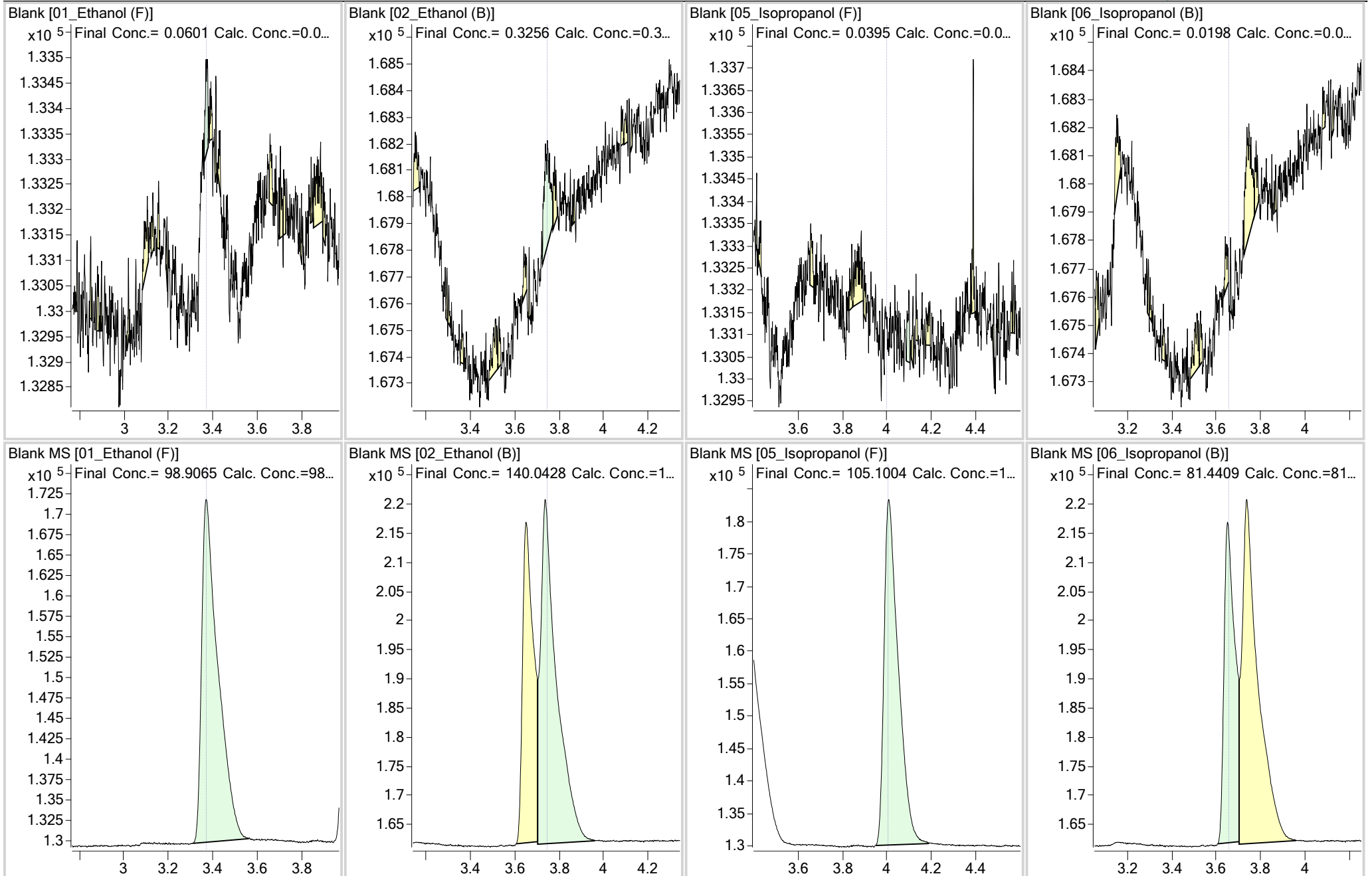
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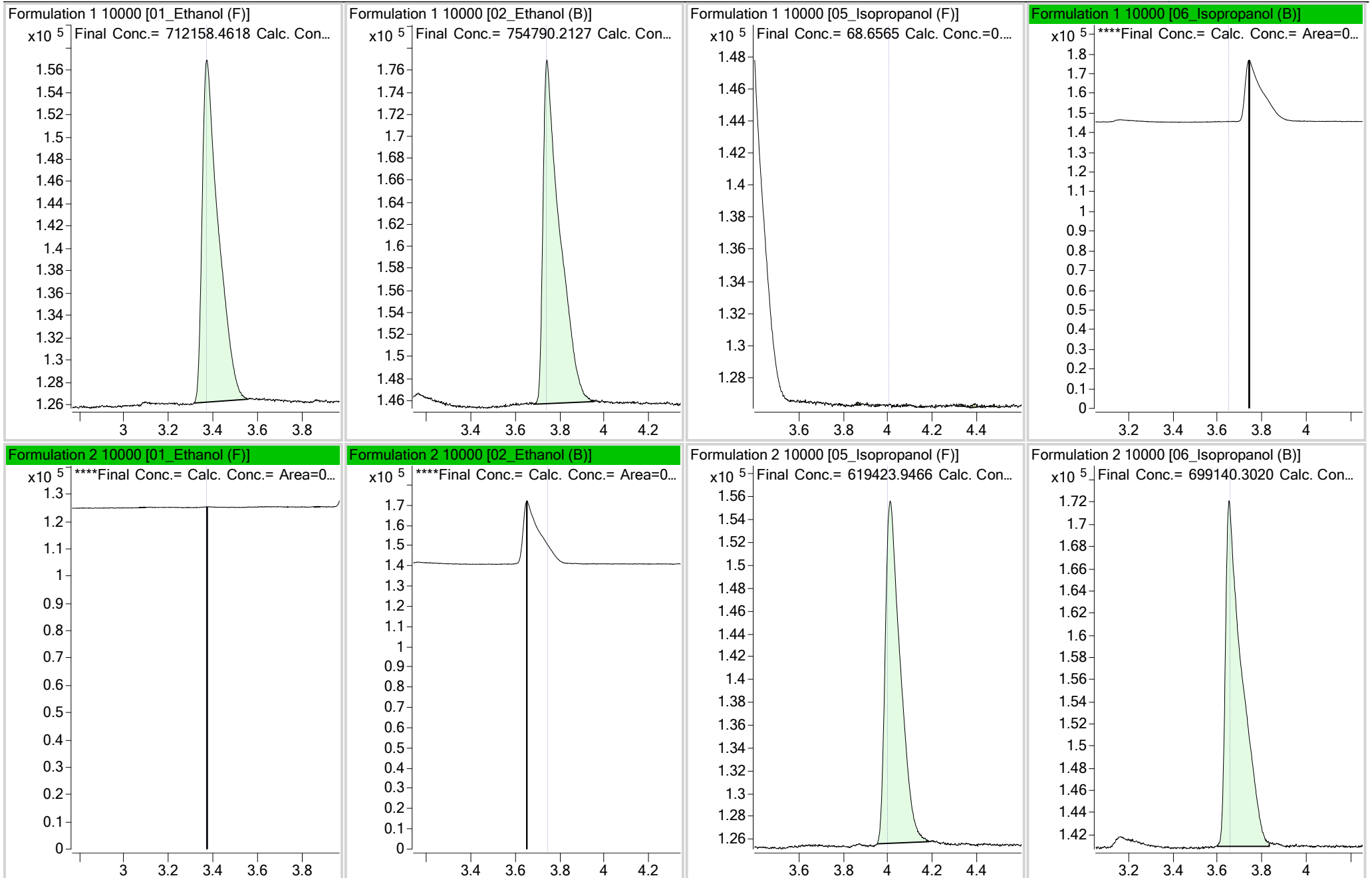
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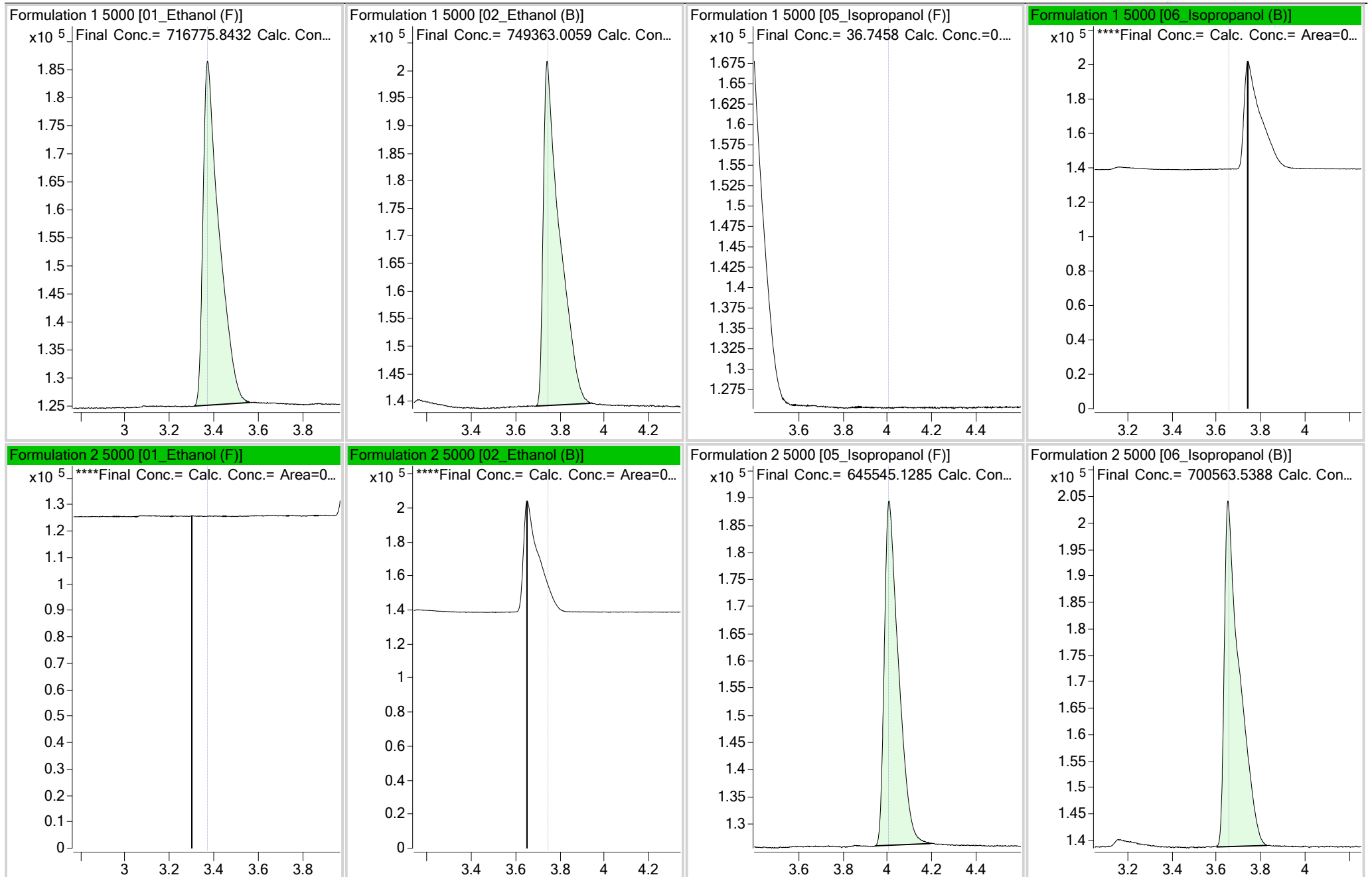
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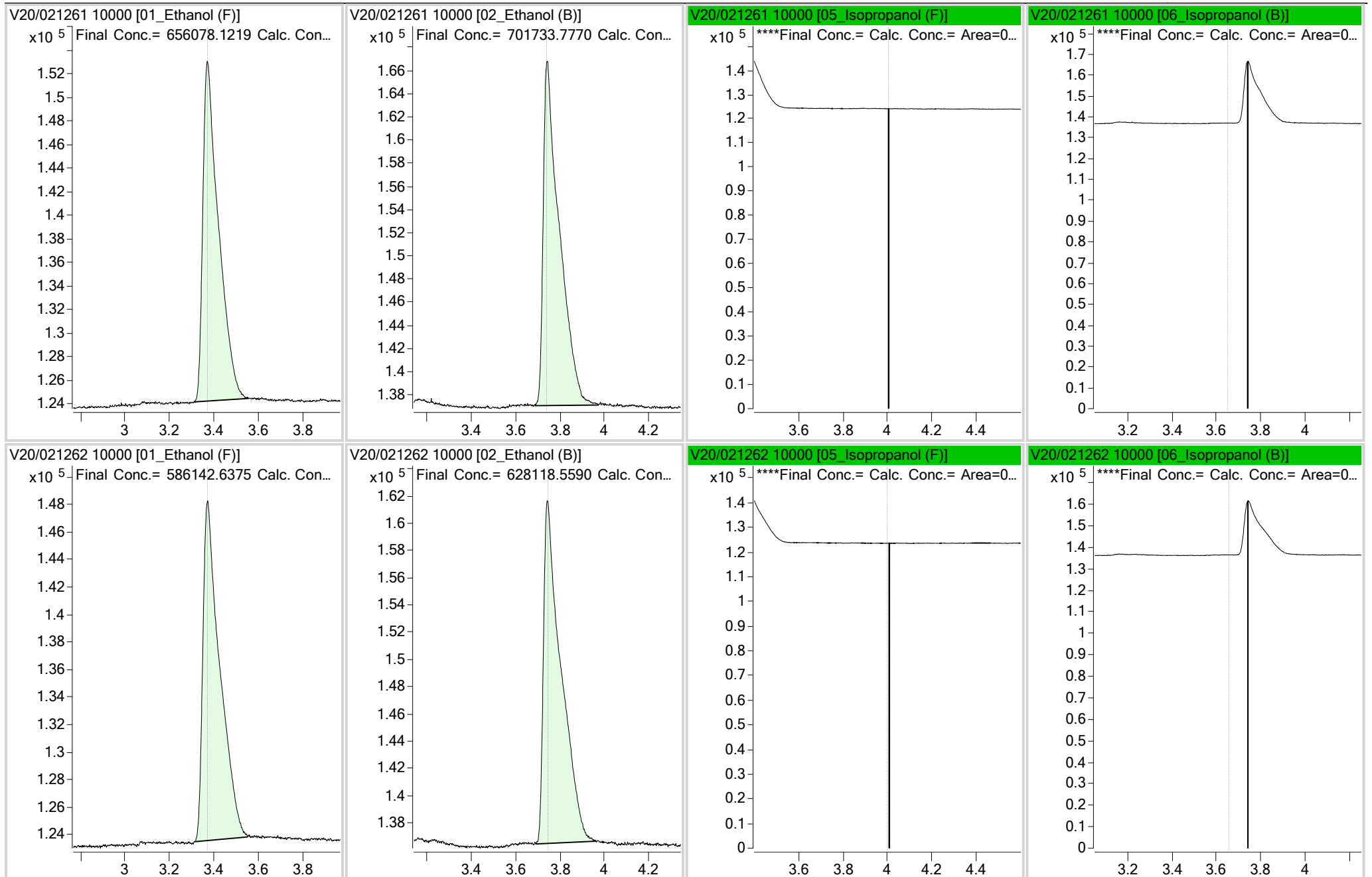
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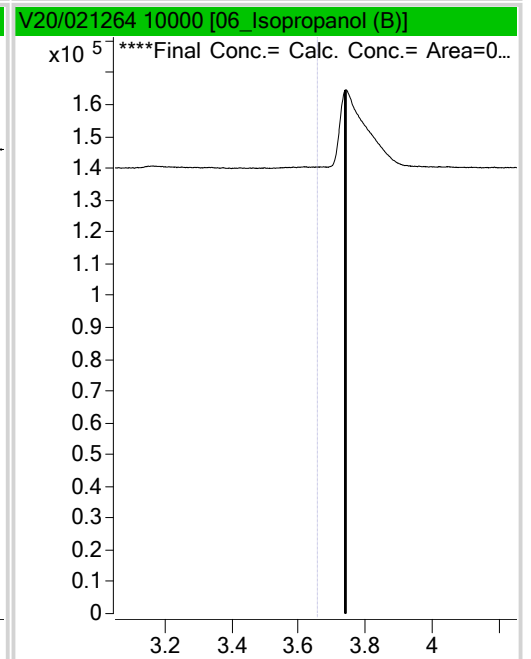
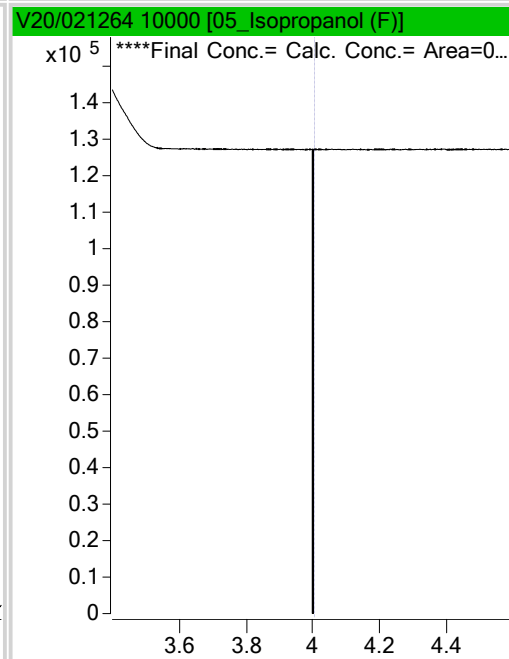
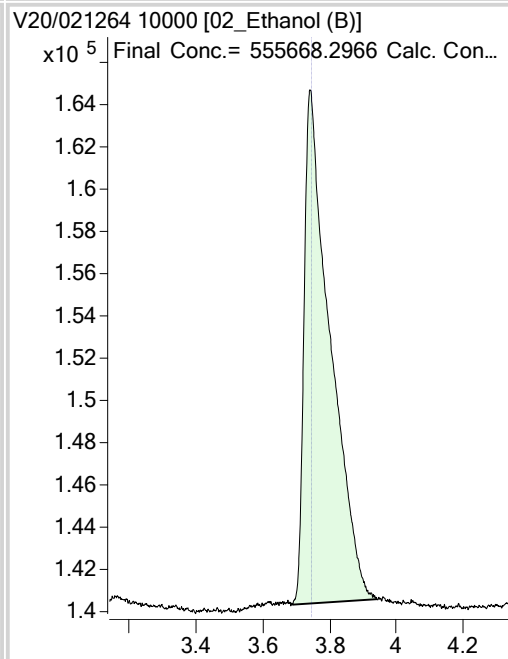
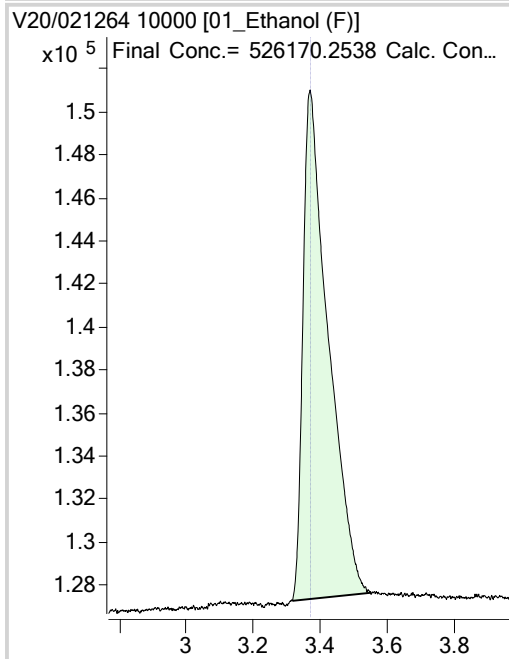
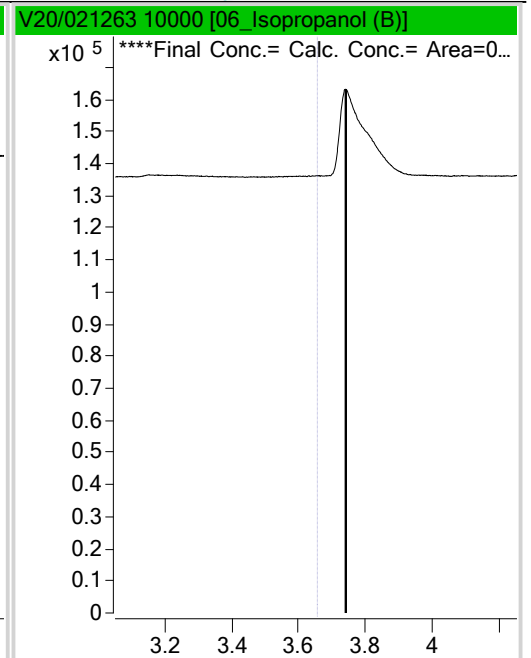
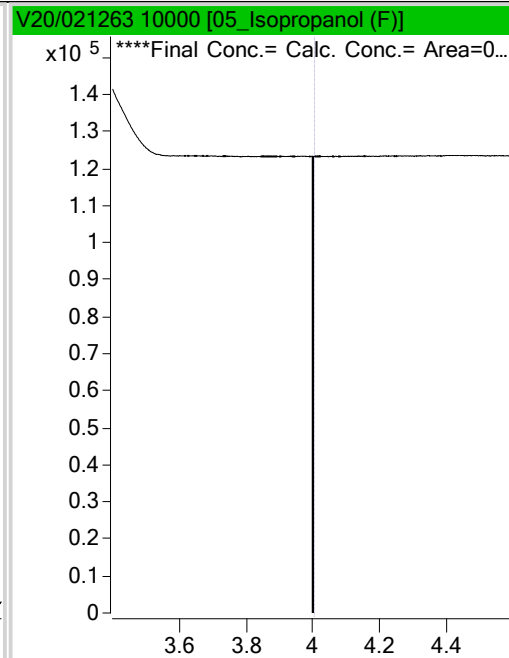
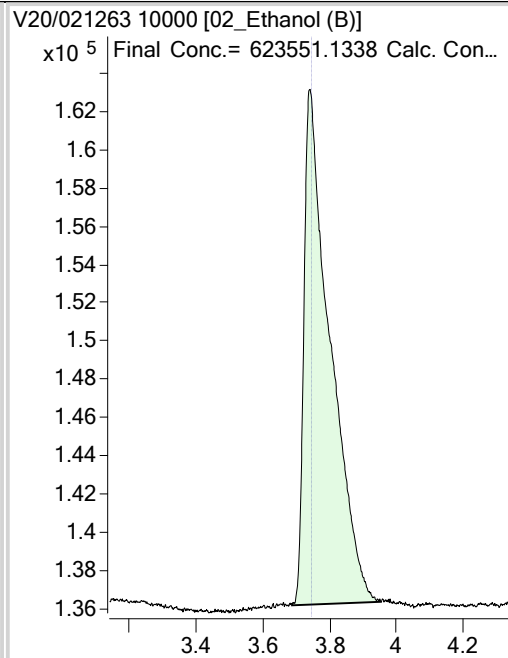
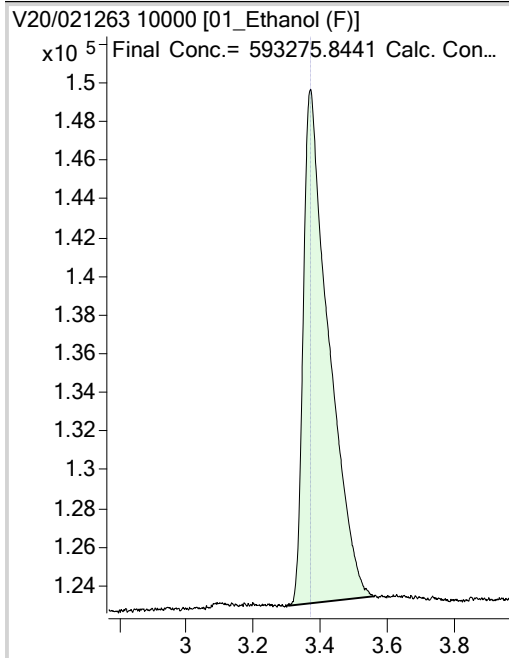
Compounds-at-a-Glance



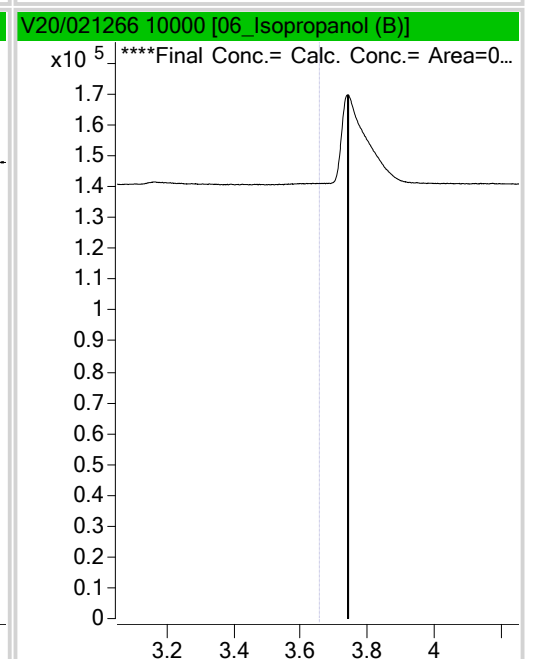
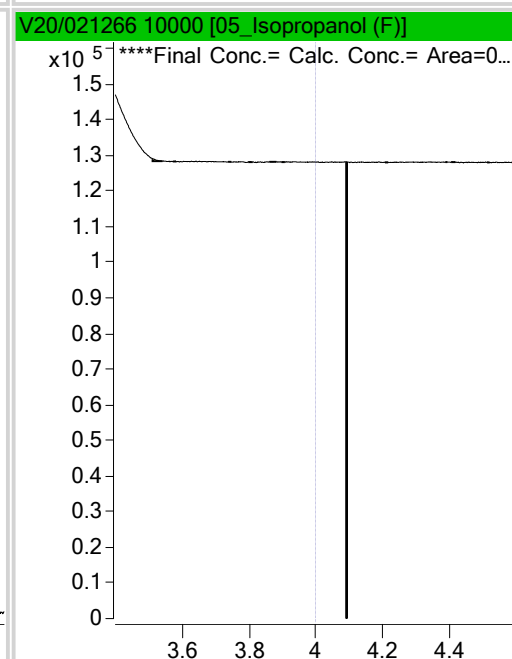
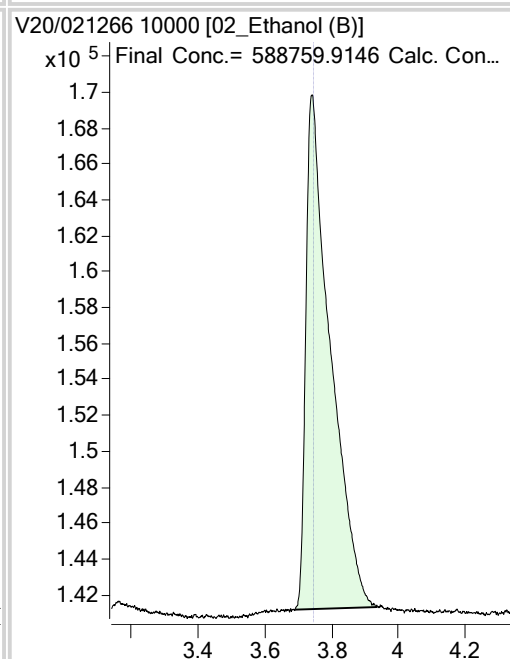
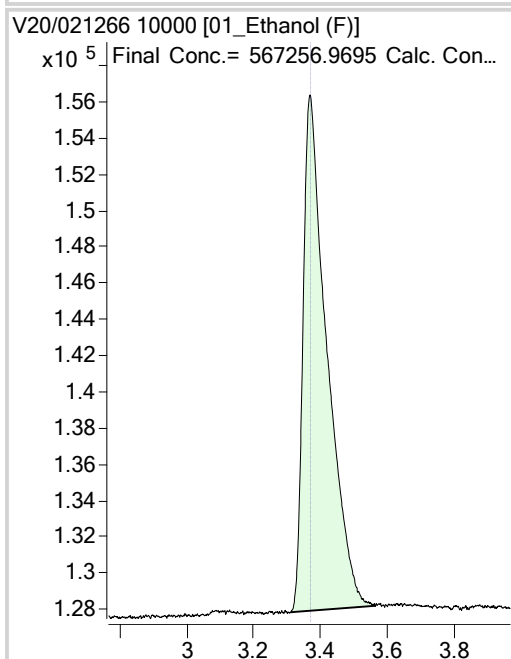
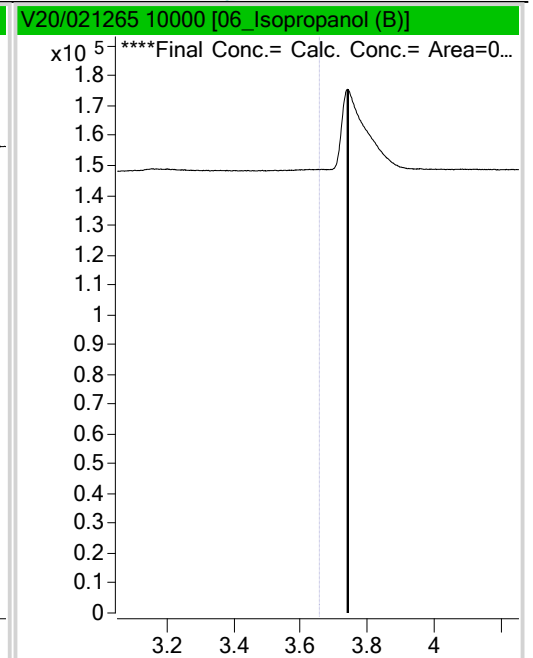
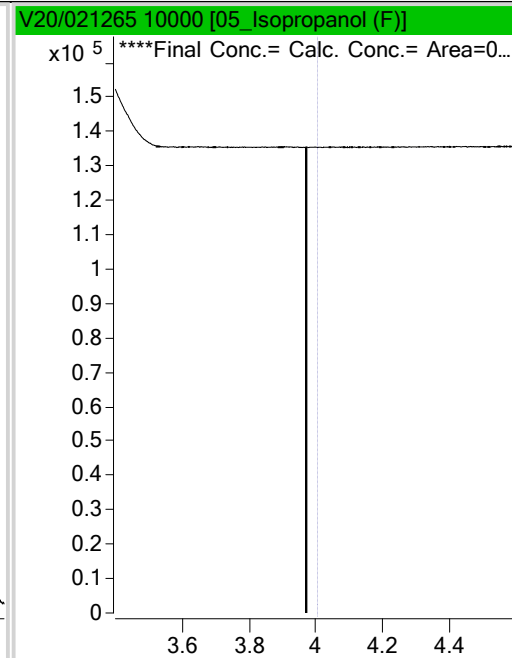
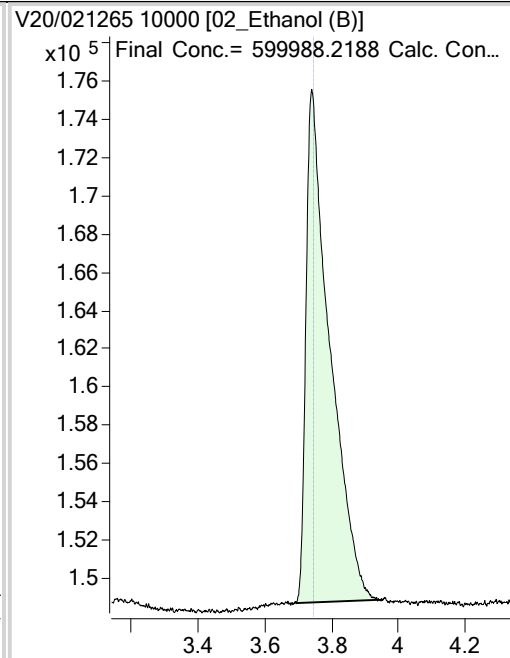
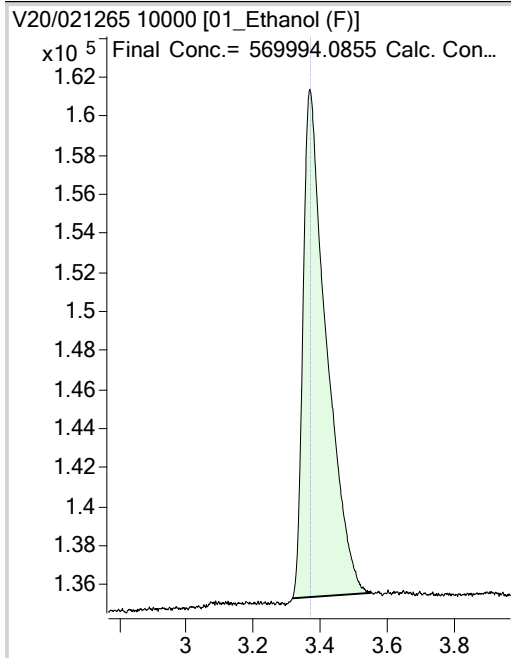
Compounds-at-a-Glance



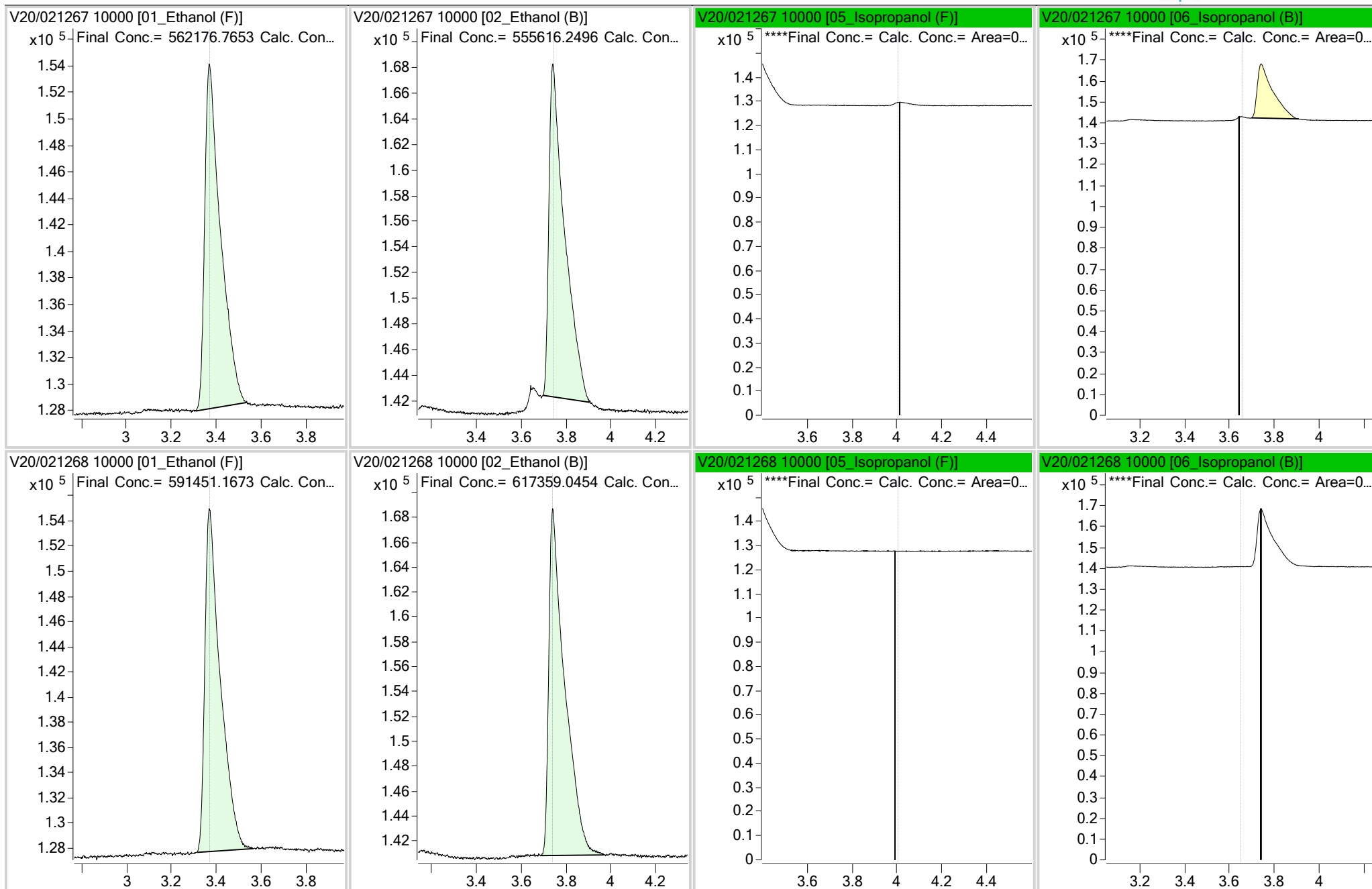
Compounds-at-a-Glance



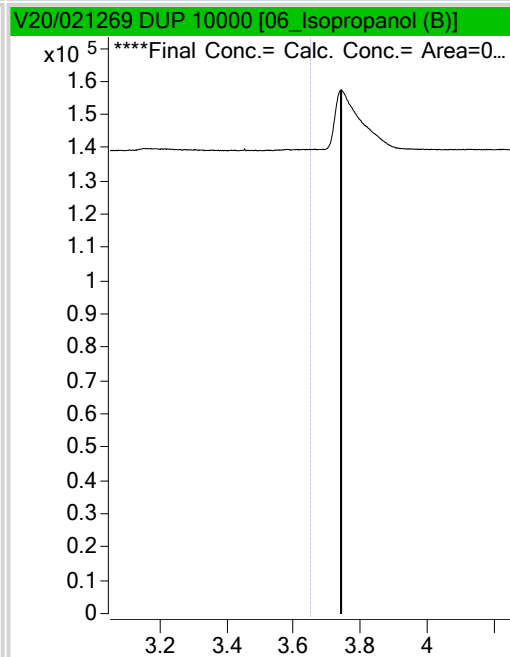
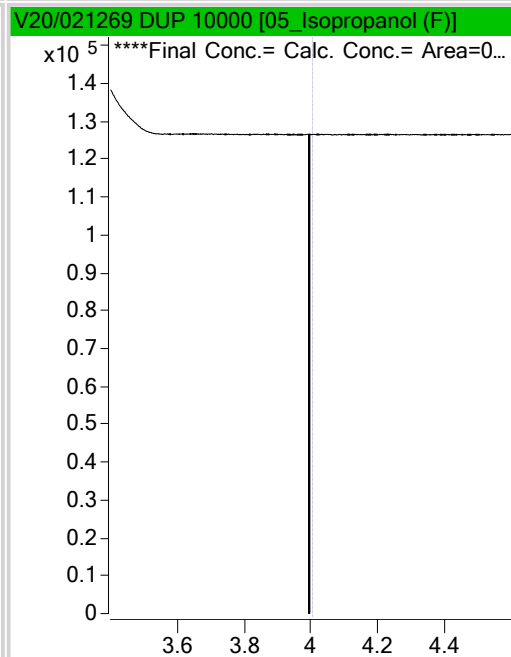
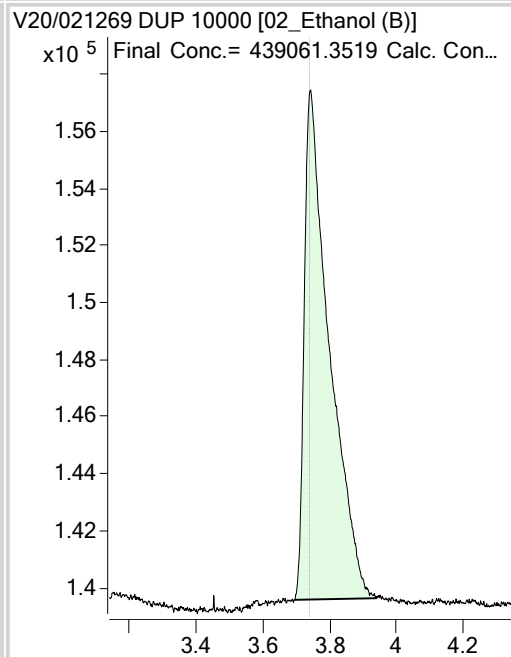
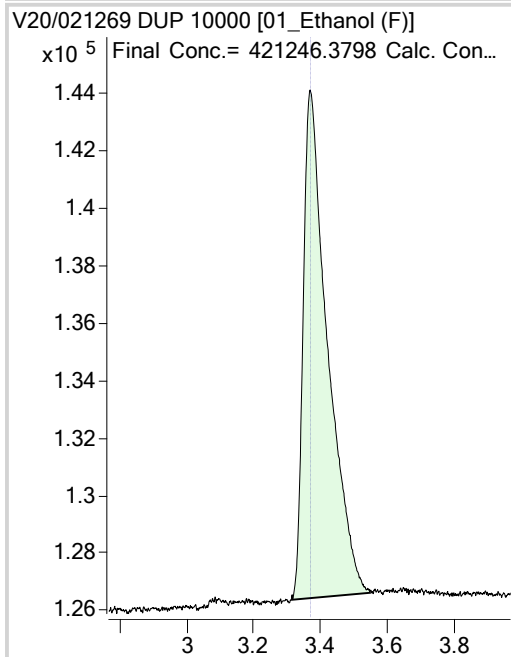
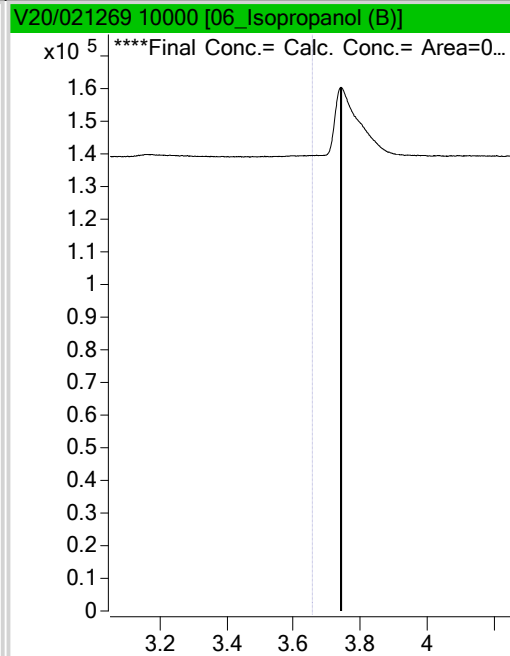
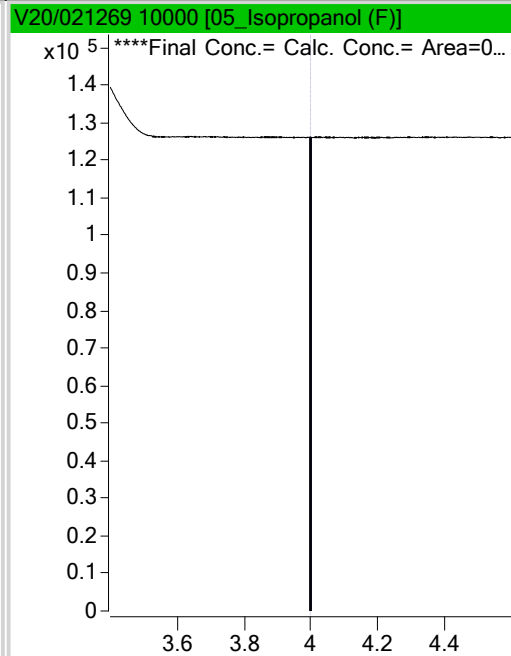
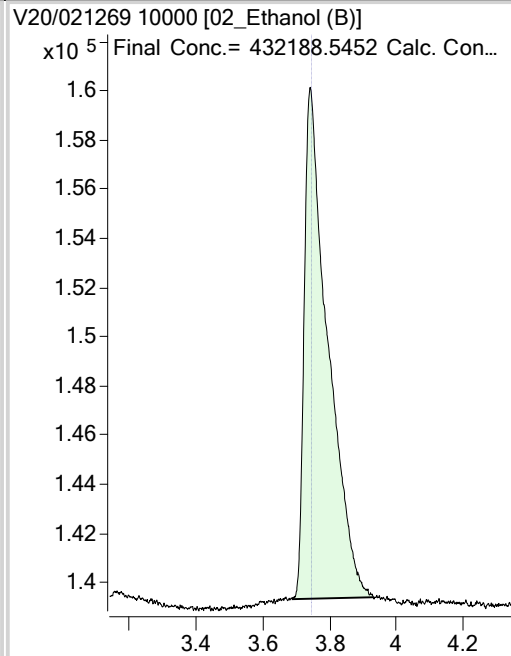
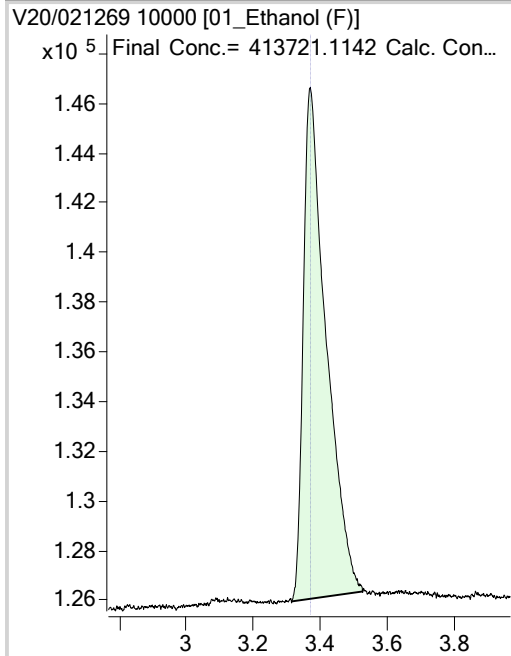
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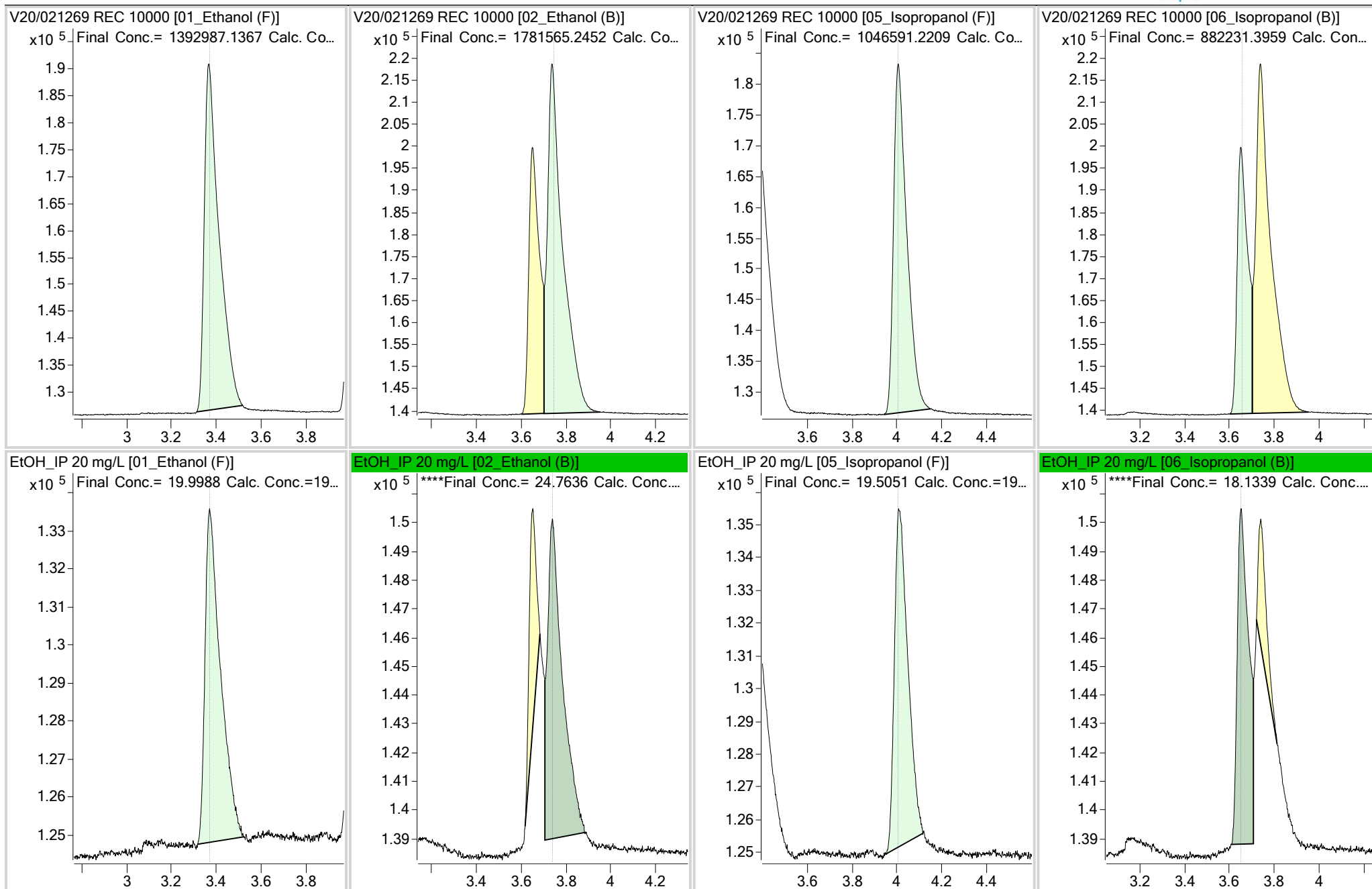
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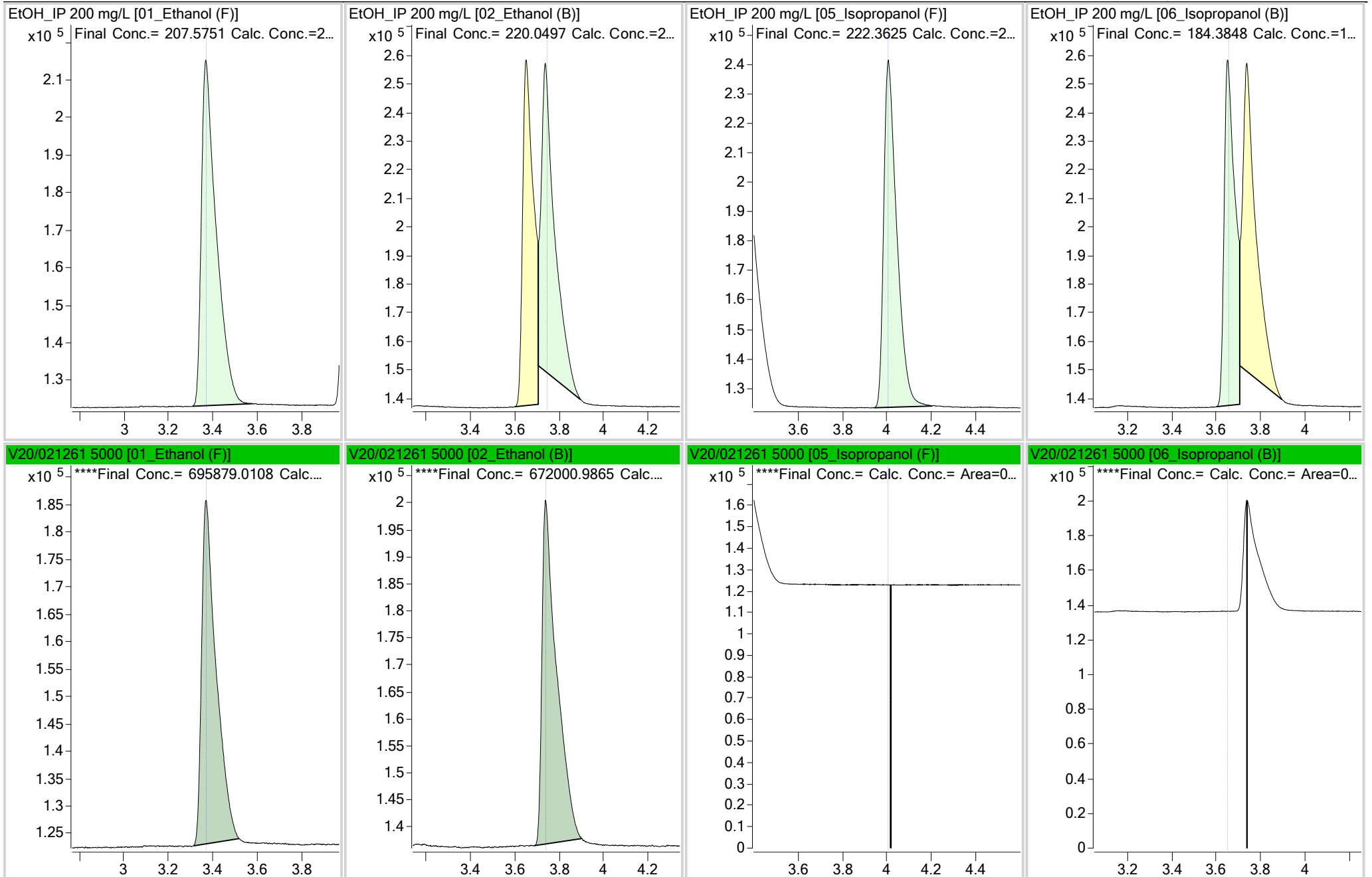
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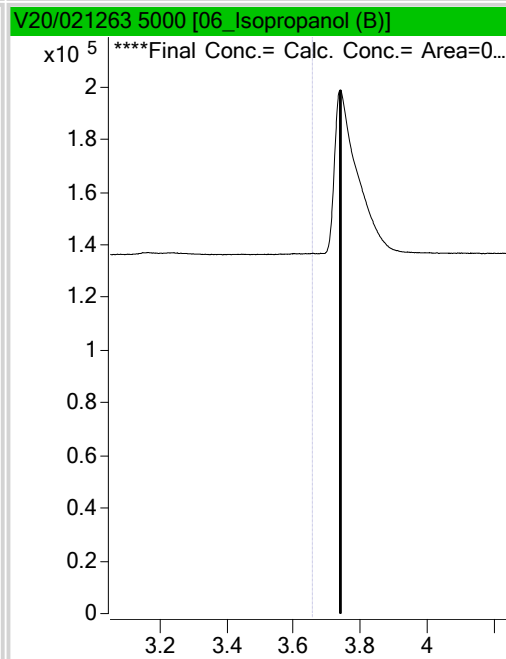
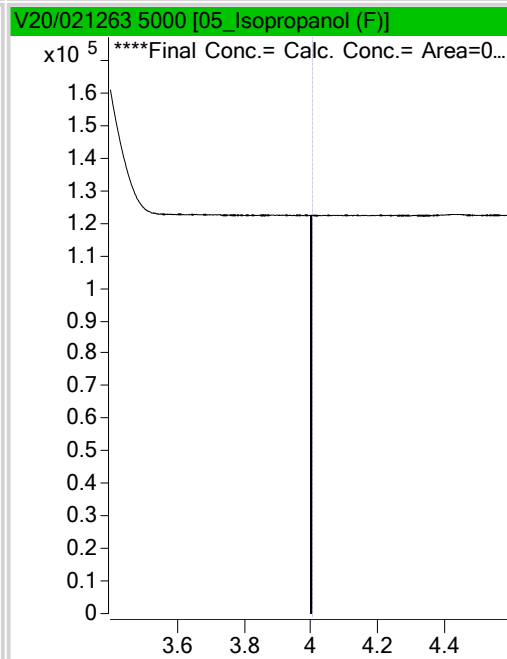
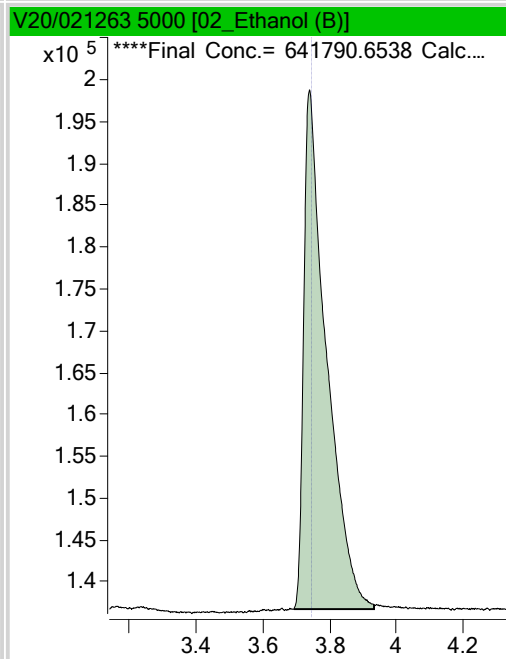
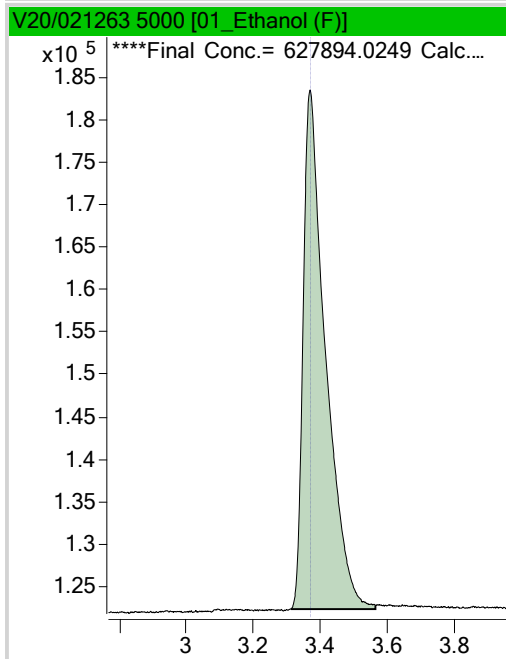
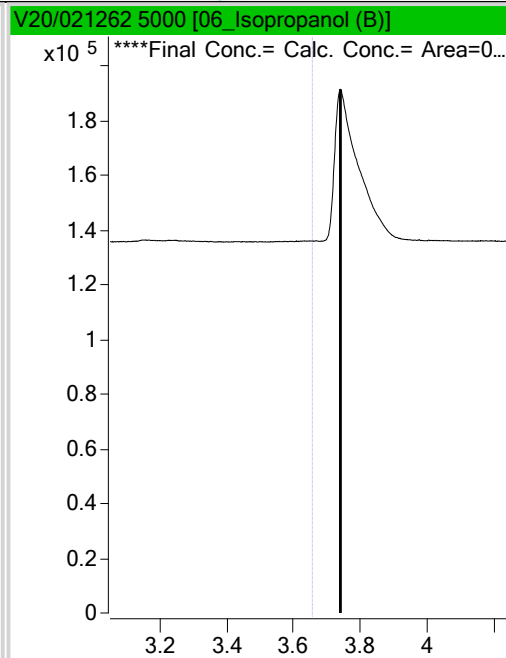
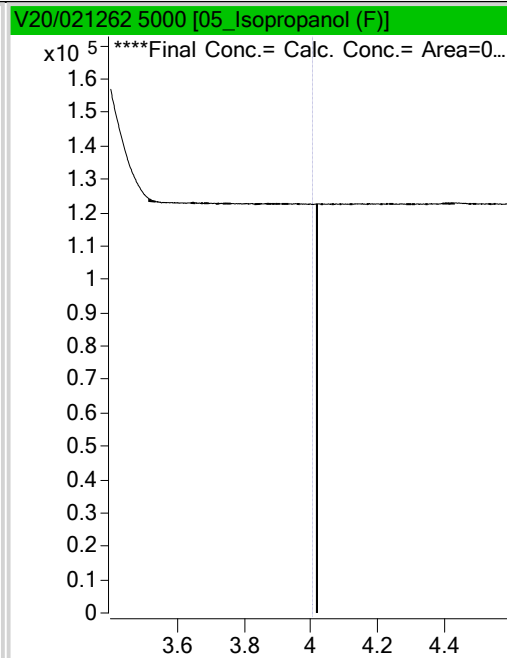
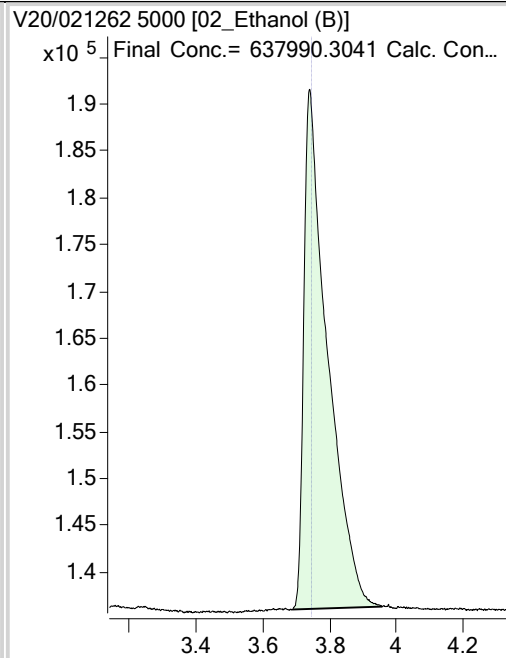
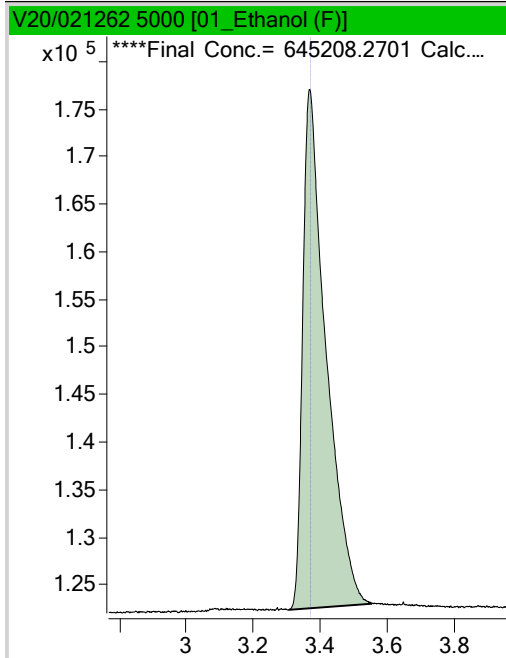
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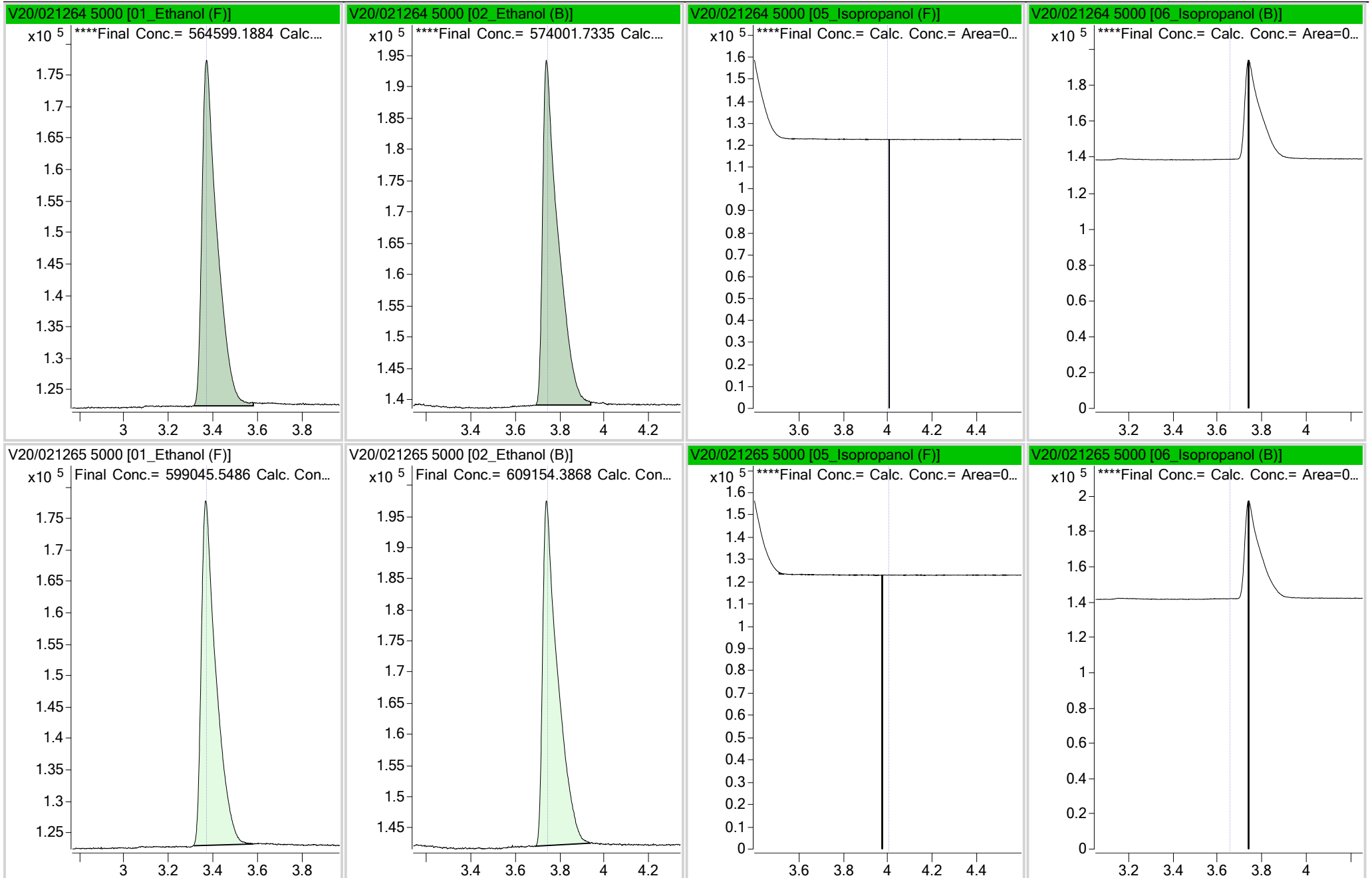
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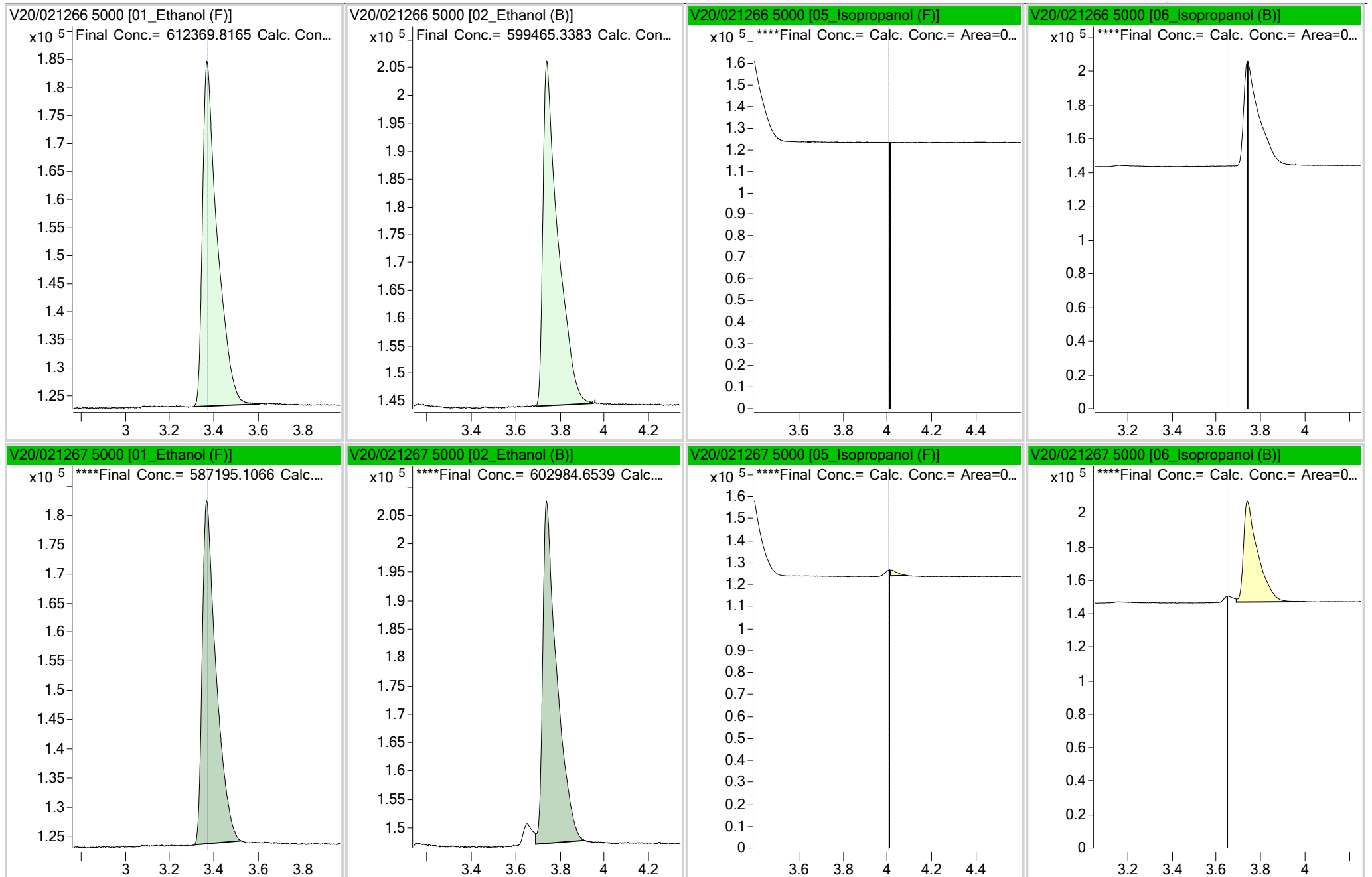
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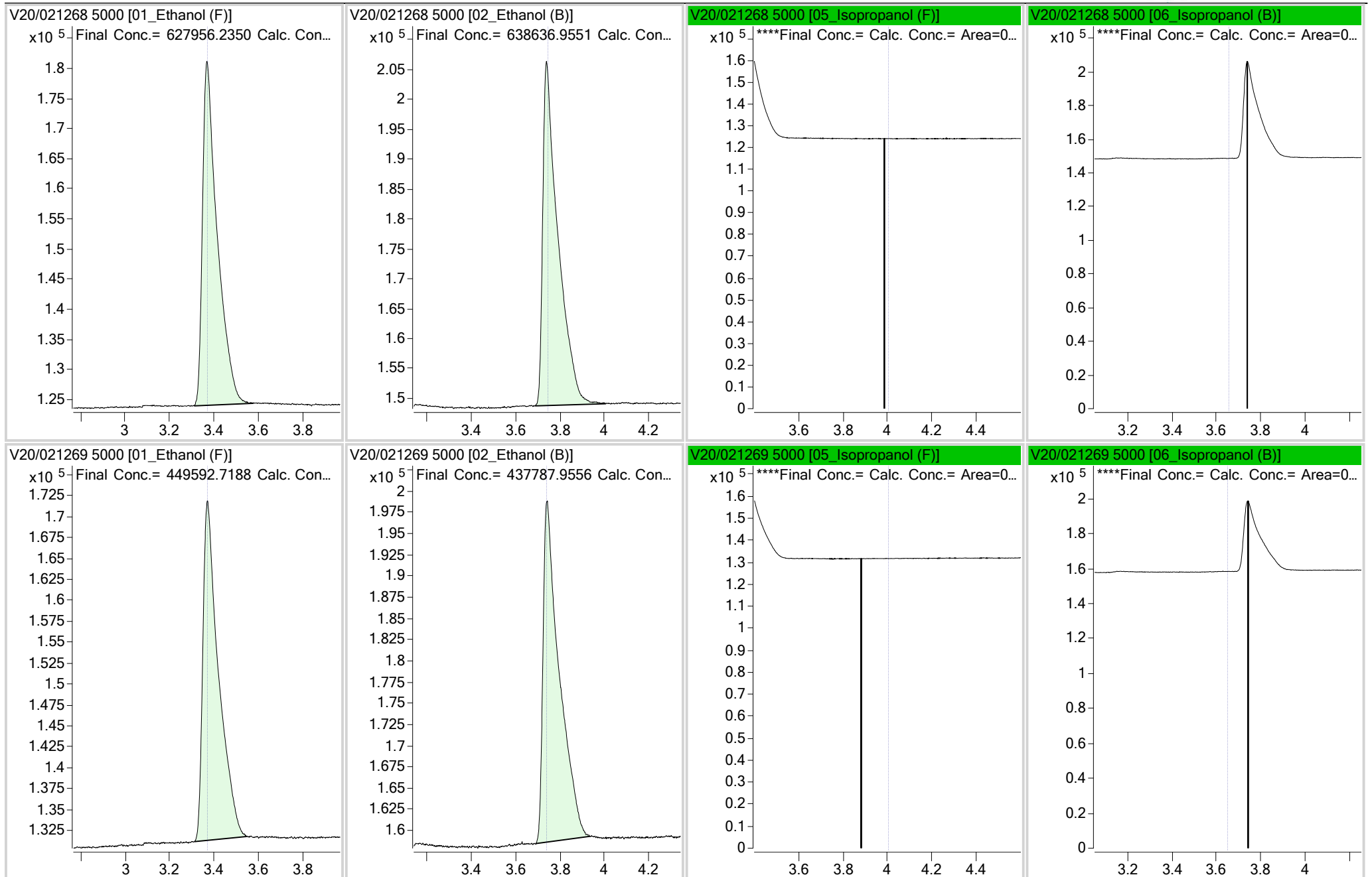
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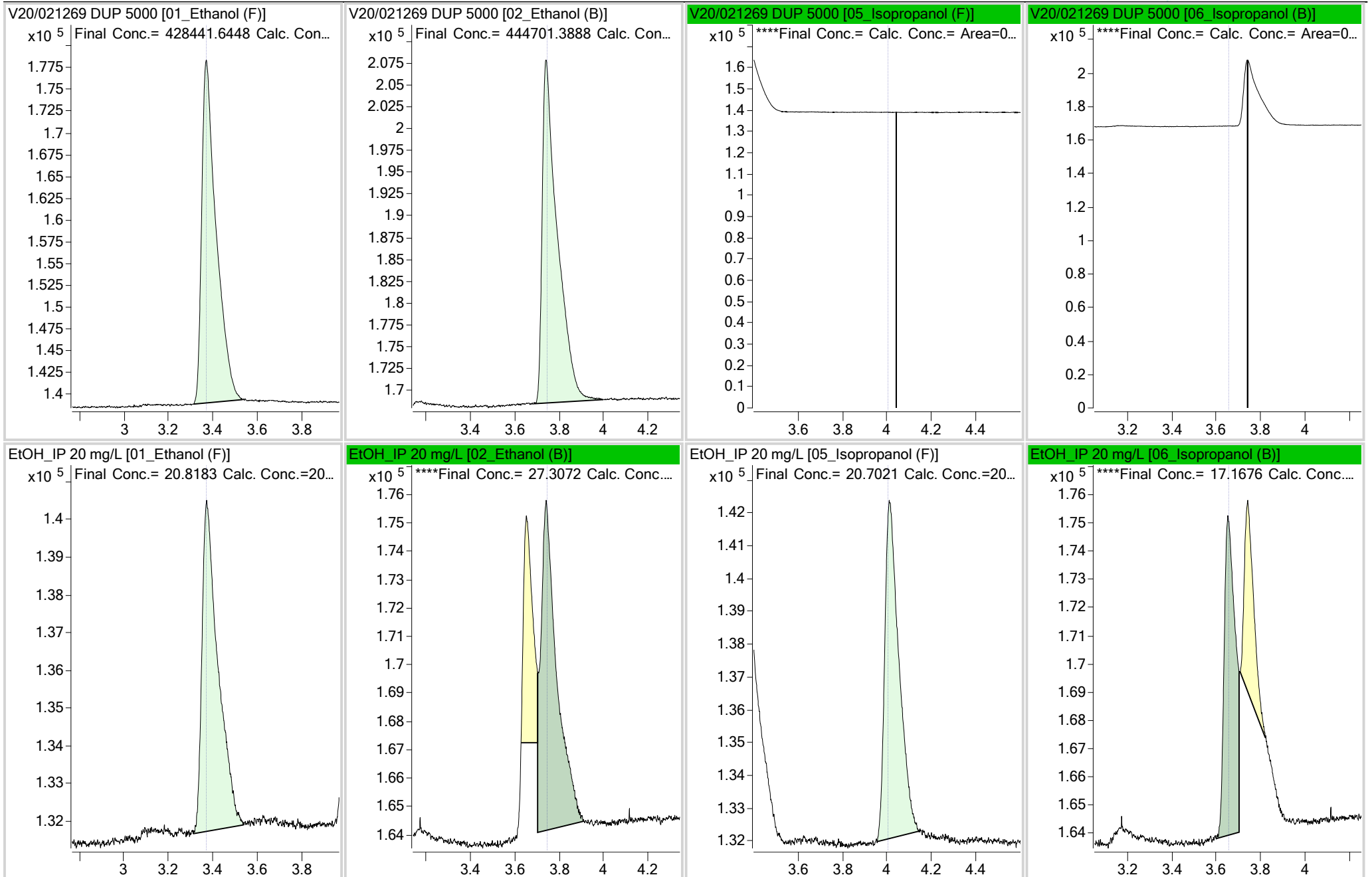
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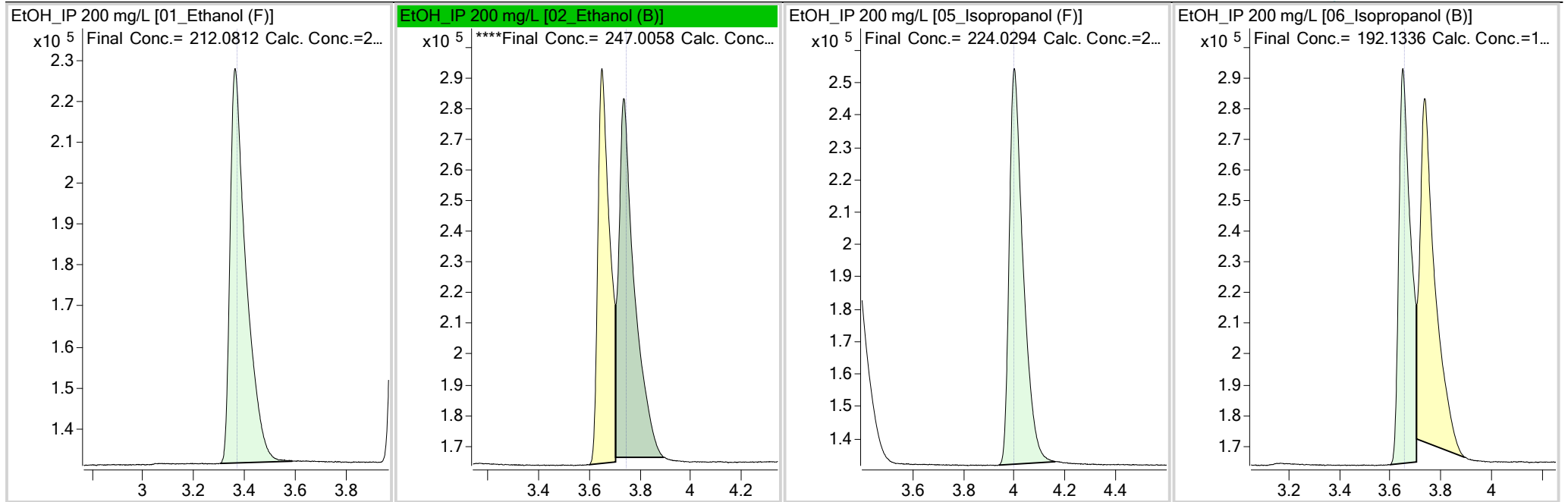
Compounds-at-a-Glance



Compounds-at-a-Glance



Compounds-at-a-Glance



Hand Sanitiser Analysis

Form no. VF156 Ver.1

Method : VL 315

Batch no.: **683**
 Analyst: s 22(1)(a)(ii)
 Start Date: 20/10/2020

Reprocessed by: s 22(1)(a)(ii)
 Checked & Date: s 22(1)(a)(i) **27/10/2020**

Control Charts: Complete Total

Include Cal (Y/N)
 Yes 51

Show Mass Column

Sample LRN	Mass (g)	Total vol (mL)	Further Dilution			EtOH 1067.4 ppm Spike Std (µL)	3-Pentanol ISTD (µL)	Vial Count	Specific gravity	Label Content
1 Blank		200	1		50		100	2		
2 Blank Rec		200	1		50	100	100	2		
3 V20/021261	1.0257	200	1	25	50		100	3	0.87379	
4 V20/021262	1.0297	200	1	25	50		100	3	0.8851	
5 V20/021263	1.0885	200	1	25	50		100	3	0.88588	
6 V20/021264	1.1016	200	1	25	50		100	3	0.90238	
7 V20/021265	1.0353	200	1	25	50		100	3	0.89284	
8 V20/021266	1.1594	200	1	25	50		100	3	0.89475	
9 V20/021267	1.0672	200	1	25	50		100	3	0.88989	
10 V20/021268	1.0385	200	1	25	50		100	3	0.89377	
11 V20/021269	1.099	200	1	25	50		100	3	0.92739	
12 V20/021269 (Dup)	1.0028	200	1	25	50		100	3		
13 V20/021269 (Rec)		200	1	25	50	100	100	3		
14 Formulation 1		200	1	25	50		100	3		
15 Formulation 2		200	1	25	50		100	3		
16								-		
17								-		
18								-		
19								-		
20								-		
21								-		
22								-		
23								-		
24								-		
25								-		
26								-		
27								-		
28								-		
29								-		
30								-		
31								-		
32								-		
33								-		
34								-		
35								-		
36								-		
37								-		
38								-		
39								-		
40								-		

Analytical Standard

	Name	Ref no.	Check date	Conc. (mg/L)
Neat Standard:	Ethyl Alcohol	N4288		
	2-Propanol	N1697		
	Methanol	N4717		
Internal Standard	3-Pentanol	D7228	21/03/2021	2029

	Neat (g)	Total vol (mL)	Conc. (mg/L)	Comment
ETOH Standard:	0.0534	50	1067.4	
IPA Standard:	0.0571		1141.0	
MeOH Standard:	0.0000		0.0	Not tested

Calibration Standard - Table

	Spike standard (µL)	Milli Q Water (µL)	Total vol (µL)	EtOH Conc. (mg/L)	IPA Conc. (mg/L)	MeOH Conc. (mg/L)
Alcohol Mix 0 mg/L	0	1000	1000	0.0	0.0	0.0
Alcohol Mix 10 mg/L	10	990	1000	10.7	11.4	0.0
Alcohol Mix 20 mg/L	20	980	1000	21.3	22.8	0.0
Alcohol Mix 40 mg/L	40	960	1000	42.7	45.6	0.0
Alcohol Mix 100 mg/L	100	900	1000	106.7	114.1	0.0
Alcohol Mix 200 mg/L	200	800	1000	213.5	228.2	0.0
Alcohol Mix 300 mg/L	300	700	1000	320.2	342.3	0.0
Alcohol Mix 400 mg/L	400	600	1000	427.0	456.4	0.0

Dilution Reference Table

Dilute using volumetric flasks

First dilution (in volumetric flask)

Dilution factor	Sample mass (g)	Milli-Q (µL)
200	1	200
250		250

Further dilution (in volumetric flask)

Dilution factor	From	Sample vol (ml)	Total vol (mL)
5000	1/200 dilution	1	25
5000	1/250 dilution	1	20

Further dilution (in GC vials)

Dilution factor	From	Sample vol (ml)	Milli-Q (mL)	Total vol (µL)
10000	1/5000 Dilution	500	500	1000

Further dilution with matrix spike (in GC vials)

Dilution factor	From	Sample vol (ml)	Spike (mL)	Milli-Q (mL)	Total vol (µL)
10000	1/5000 Dilution	500	100	400	1000

Reporting level	5% (v/v) Ethanol & Isopropanol	2% (v/v) Methanol
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LRN	mass (g)	Extract volume			dilution factor
		(kg)	mL	L	
V20/021261	1.0257	0.001026	200	0.2	1
V20/021262	1.0297	0.00103	200	0.2	1
V20/021263	1.0885	0.001089	200	0.2	1
V20/021264	1.1016	0.001102	200	0.2	1
V20/021265	1.0353	0.001035	200	0.2	1
V20/021266	1.1594	0.001159	200	0.2	1
V20/021267	1.0672	0.001067	200	0.2	1
V20/021268	1.0385	0.001039	200	0.2	1
V20/021269	1.099	0.001099	200	0.2	1
V20/021269 Dup	1.0028	0.001003	200	0.2	1
V20/021269 Rec	1.0028	0.001003	200	0.2	1
V20/021261 1:5000					25
V20/021262 1:5000					25
V20/021263 1:5000					25
V20/021264 1:5000					25
V20/021265 1:5000					25
V20/021266 1:5000					25
V20/021267 1:5000					25
V20/021268 1:5000					25
V20/021269 1:5000					25
V20/021269 Dup 1:5000					25
V20/021269 Rec 1:5000					25
V20/021261 1:10000					2
V20/021262 1:10000					2
V20/021263 1:10000					2
V20/021264 1:10000					2
V20/021265 1:10000					2
V20/021266 1:10000					2
V20/021267 1:10000					2
V20/021268 1:10000					2
V20/021269 1:10000					2
V20/021269 Dup 1:10000					2
V20/021269 Rec 1:10000					2
Formulation 1	1.0045	0.001005	200	0.2	1
					25
					2
Formulation 2	1.0098	0.00101	200	0.2	1
					25
					2

Multiplier mg/Kg
194.99
194.23
183.74
181.55
193.18
172.50
187.41
192.59
181.98
199.44
199.44
4874.72
4855.78
4593.48
4538.85
4829.52
4312.58
4685.16
4814.64
4549.59
4986.04
4986.04
9749.44
9711.57
9186.95
9077.71
9659.04
8625.15
9370.31
9629.27
9099.18
9972.08
9972.08
199.10
4977.60
9955.20
198.06
4951.48
9902.95

Sample

	Name	Data File	Type	Level
!	Water+IS	SIG11000C	Sample	
!	Water+IS	SIG11000C	Sample	
!	EtOH_IP 0 mg/L	SIG11000C	Cal	L1
!	EtOH_IP 10 mg/L	SIG11000C	Cal	L2
!	EtOH_IP 20 mg/L	SIG11000C	Cal	L3
!	EtOH_IP 40 mg/L	SIG11000C	Cal	L4
!	EtOH_IP 100 mg/L	SIG11000C	Cal	L5
!	EtOH_IP 200 mg/L	SIG11000C	Cal	L6
!	EtOH_IP 300 mg/L	SIG11000C	Cal	L7
!	EtOH_IP 400 mg/L	SIG110001	Cal	L8
!	Water+IS	SIG110001	Sample	
!	Water+IS	SIG110001	Sample	
!	Blank	SIG110003	Sample	
!	Blank MS	SIG110004	Sample	
!	Water+IS	SIG110004	Sample	
!	Water+IS	SIG110004	Sample	
	Formulation 1 10000	SIG110004	Sample	
!	Formulation 2 10000	SIG110004	Sample	
!	Formulation 1 5000	SIG110004	Sample	
!	Formulation 2 5000	SIG110004	Sample	
!	Water+IS	SIG110004	Sample	
	Water+IS	SIG110004	Sample	
!	V20/021261 10000	SIG110004	Sample	
	V20/021262 10000	SIG110005	Sample	
!	V20/021263 10000	SIG110005	Sample	
	V20/021264 10000	SIG110005	Sample	
!	V20/021265 10000	SIG110005	Sample	
!	V20/021266 10000	SIG110005	Sample	
!	V20/021267 10000	SIG110005	Sample	
	V20/021268 10000	SIG110005	Sample	
!	V20/021269 10000	SIG110005	Sample	
!	V20/021260 DUP 10000	SIG110005	Sample	
!	V20/021260 REC 10000	SIG110005	Sample	
	Water+IS	SIG11000€	Sample	
!	Water+IS	SIG11000€	Sample	
!	EtOH_IP 20 mg/L	SIG11000€	Sample	
	EtOH_IP 200 mg/L	SIG11000€	Sample	
!	Water+IS	SIG11000€	Sample	
!	Water+IS	SIG11000€	Sample	
!	V20/021261 5000	SIG11000€	Sample	
!	V20/021262 5000	SIG11000€	Sample	
	V20/021263 5000	SIG11000€	Sample	
	V20/021264 5000	SIG11000€	Sample	

!	V20/021265 5000	SIG110007 Sample
!	V20/021266 5000	SIG110007 Sample
!	V20/021267 5000	SIG110007 Sample
!	V20/021268 5000	SIG110007 Sample
!	V20/021269 5000	SIG110007 Sample
!	V20/021269 DUP 5000	SIG110007 Sample
!	Water+IS	SIG110007 Sample
	Water+IS	SIG110007 Sample
!	EtOH_IP 20 mg/L	SIG110007 Sample
!	EtOH_IP 200 mg/L	SIG110007 Sample
!	Water+IS	SIG110008 Sample

Comment Dil.	01_Ethanc01_Ethanol (F) Results						(IS) 3-Pentanol (F) (IS		
	Exp. Conc.	RT	Area	Calc. Conc	Final Conc	Accuracy	Resp.	RT	
	1		3.44	65	0.0313	0.0313	532475	7.271	
	1		3.378	68	0.0323	0.0323	538676	7.271	
	1	0	3.398	27	0.0133	0.0133	517287	7.271	
	1	10.7	3.368	21684	10.838	10.838	101.3	514035	7.27
	1	21.3	3.37	43163	21.3369	21.3369	100.2	519746	7.271
	1	42.7	3.37	84824	41.0145	41.0145	96.1	531367	7.271
	1	106.7	3.368	213815	104.2408	104.2408	97.7	527004	7.27
	1	213.5	3.367	433473	215.5453	215.5453	101	516696	7.271
	1	320.2	3.366	651473	323.1824	323.1824	100.9	517918	7.271
	1	427	3.367	870251	424.5186	424.5186	99.4	526696	7.27
	1		3.372	29	0.0141	0.0141		526809	7.271
	1		3.352	83	0.0419	0.0419		511494	7.271
	1		3.376	134	0.0601	0.0601		572692	7.273
	1		3.369	213530	98.9065	98.9065		554685	7.273
	1		3.276	41	0.0189	0.0189		557104	7.273
	1		3.381	77	0.036	0.036		552034	7.273
	9955.2		3.371	154871	71.5363	712158.5		556234	7.273
	9902.95		3.373	0				551960	7.273
	4977.6		3.371	307585	144.0003	716775.8		548799	7.274
	4951.48		3.3	0				529052	7.273
	1		3.399	29	0.0134	0.0134		554832	7.273
	1		3.369	33	0.0152	0.0152		560945	7.274
	9749.44		3.369	141419	67.2939	656078.1		539939	7.273
	9711.57		3.371	129966	60.3551	586142.6		553260	7.274
	9186.95		3.37	139522	64.5781	593275.8		555097	7.274
	9077.71		3.369	123614	57.9629	526170.3		547935	7.273
	9659.04		3.368	125652	59.0115	569994.1		547073	7.272
	8625.15		3.369	140528	65.7678	567257		548987	7.272
	9370.31		3.368	127357	59.9955	562176.8		545404	7.272
	9629.27		3.368	130141	61.4222	591451.2		544380	7.272
	9099.18		3.369	97532	45.468	413721.1		551130	7.272
	9972.08		3.369	89072	42.2426	421246.4		541758	7.273
	9972.08		3.366	294532	139.6887	1392987		541730	7.272
	1		3.375	30	0.014	0.014		542224	7.272
	1		3.106	1564	0.7546	0.7546		532510	7.272
	1		3.37	42000	19.9988	19.9988		539579	7.272
	1		3.367	428632	207.5751	207.5751		530545	7.273
	1		3.391	31	0.0146	0.0146		546779	7.272
	1		3.368	50	0.0237	0.0237		545955	7.273
	4874.72		3.369	283700	142.7526	695879		510608	7.273
	4855.78		3.367	262249	132.8743	645208.3		507091	7.272
	4593.48		3.368	283547	136.6924	627894		532959	7.272
	4538.85		3.371	258714	124.3926	564599.2		534365	7.272

4829.52	3.366	251531	124.0383	599045.5	521012	7.272
4312.58	3.367	284262	141.9962	612369.8	514345	7.273
4685.16	3.366	254195	125.3309	587195.1	521100	7.271
4814.64	3.368	263956	130.4264	627956.2	519971	7.273
4549.59	3.371	198178	98.8205	449592.7	515254	7.274
4986.04	3.37	178055	85.9282	428441.6	532391	7.273
1	3.382	26	0.0126	0.0126	519090	7.272
1	3.387	104	0.0503	0.0503	532611	7.272
1	3.372	43798	20.8183	20.8183	540527	7.274
1	3.362	421617	212.0812	212.0812	510774	7.272
1	3.372	43	0.0214	0.0214	521409	7.273

02_Ethanc02_Ethanol (B) Results					(IS) 3-Pentanol (B) (IS 03_Metha 03_Metha				
Exp. Conc.	RT	Area	Calc. Conc	Final Conc	Accuracy	Resp.	RT	Exp. Conc.	RT
		3.667	125	0.0586	0.0586		634462	6.014	2.502
		3.807	58	0.0273	0.0273		636567	6.231	2.508
0		3.874	58	0.028	0.028		620056	6.231	0 2.505
10.7		3.744	25202	12.2777	12.2777	114.7	612370	6.229	11.3 2.542
21.3		3.743	43650	20.8055	20.8055	97.7	625903	6.23	22.6 2.54
42.7		3.742	82679	38.9446	38.9446	91.2	633360	6.231	45.1 2.549
106.7		3.74	222266	105.3577	105.3577	98.7	629375	6.23	112.8 2.534
213.5		3.74	449155	216.0557	216.0557	101.2	620200	6.23	225.6 2.502
320.2		3.74	671373	322.9909	322.9909	100.9	620120	6.23	338.4 2.502
427		3.739	888201	424.3254	424.3254	99.4	624473	6.23	451.2 2.546
		3.444	184	0.0875	0.0875		628795	6.231	2.499
		3.777	98	0.0476	0.0476		611804	6.23	2.498
		3.747	708	0.3256	0.3256		648513	6.232	2.518
		3.737	297789	140.0428	140.0428		634379	6.233	2.499
		3.719	103	0.0487	0.0487		633766	6.232	2.498
		3.752	123	0.0576	0.0576		637175	6.233	2.543
		3.742	161922	75.8187	754790.2		637134	6.233	2.497
		3.652	0				632730	6.233	2.58
		3.741	317059	150.5471	749363		628304	6.233	2.503
		3.651	0				610879	6.232	2.504
		3.756	44	0.0207	0.0207		639686	6.233	2.514
		3.726	23	0.0107	0.0107		646225	6.233	2.549
		3.741	149908	71.9768	701733.8		621347	6.233	2.551
		3.742	137691	64.6773	628118.6		635119	6.233	2.498
		3.74	145544	67.8736	623551.1		639726	6.231	2.494
		3.74	130498	61.2124	555668.3		636015	6.23	2.515
		3.74	132322	62.1168	599988.2		635514	6.231	2.504
		3.742	145289	68.2608	588759.9		634984	6.231	2.499
		3.74	125391	59.2954	555616.2		630879	6.232	2.505
		3.74	137094	64.1128	617359		637935	6.231	2.542
		3.742	101606	47.4975	432188.5		638193	6.231	2.504
		3.741	92803	44.0291	439061.4		628816	6.231	2.497
		3.737	376278	178.6553	1781565		628340	6.23	2.503
		3.751	169	0.0805	0.0805		626004	6.231	2.511
		3.738	28	0.0133	0.0133		626545	6.23	2.498
		3.739	52047	24.7636	24.7636		627019	6.231	2.575
		3.737	457482	220.0497	220.0497		620233	6.232	2.503
		3.755	160	0.0753	0.0753		634875	6.231	2.507
		3.748	115	0.0541	0.0541		636794	6.233	2.558
		3.738	290422	137.8543	672001		628508	6.231	2.5
		3.74	271597	131.3878	637990.3		616697	6.231	2.504
		3.74	291005	139.7177	641790.7		621370	6.232	2.532
		3.739	263774	126.4641	574001.7		622253	6.232	2.498

3.74	258018	126.1315	609154.4	610279	6.23	2.496
3.74	289782	139.0039	599465.3	621937	6.232	2.545
3.738	264018	128.701	602984.7	612002	6.231	2.504
3.738	273209	132.6448	638637	614478	6.23	2.497
3.742	203583	96.2258	437788	631178	6.232	2.544
3.741	186198	89.1893	444701.4	622824	6.232	2.495
3.726	22	0.0106	0.0106	605168	6.231	2.542
3.704	60	0.0288	0.0288	621916	6.232	2.506
3.741	58012	27.3072	27.3072	633791	6.232	2.5
3.736	502843	247.0058	247.0058	607333	6.229	2.496
3.91	140	0.0675	0.0675	617364	6.232	2.511

nol (F) Results				(IS) 3-Pentanol (F) (IS' 05_Isopro 05_Isopropanol (F) Results					
Area	Calc. Conc	Final Conc	Accuracy	Resp.	RT	Exp. Conc.	RT	Area	Calc. Conc
2881	633.1349	633.1349		532475	7.271			3.961	26 0.0121
3688	801.3351	801.3351		538676	7.271			4.027	35 0.0159
2912	658.8652	658.8652		517287	7.271	0		3.979	42 0.0199
340	77.4658	77.4658	685.5	514035	7.27	11.4		4.007	24166 11.5432
350	78.7484	78.7484	348.4	519746	7.271	22.8		4.006	46063 21.7608
22	4.8409	4.8409	10.7	531367	7.271	45.6		4.005	93920 43.3992
36	7.9674	7.9674	7.1	527004	7.27	114.1		4.003	240361 111.9867
2626	594.8008	594.8008	263.7	516696	7.271	228.2		4.001	481589 228.8541
2838	641.1619	641.1619	189.5	517918	7.271	342.3	4	722807	342.6719
294	65.291	65.291	14.5	526696	7.27	456.4	4	979423	456.5906
3626	805.4499	805.4499		526809	7.271			4.005	35 0.0162
26	5.932	5.932		511494	7.271			4.002	96 0.046
54	11.1231	11.1231		572692	7.273			4.097	92 0.0395
888	187.43	187.43		554685	7.273			4.008	237429 105.1004
1870	392.7926	392.7926		557104	7.273			4.035	100 0.0442
219	46.3401	46.3401		552034	7.273			4.055	26 0.0114
574	120.691	1201503		556234	7.273			4.04	16 0.0069
31	6.6328	65684.28		551960	7.273			4.01	140609 62.5494
6973	1487.028	7401828		548799	7.274			4.024	16 0.0074
2982	659.6772	3266378		529052	7.273			4.007	280913 130.3742
79	16.679	16.679		554832	7.273			4.013	17 0.0076
60	12.4532	12.4532		560945	7.274			4.014	15 0.0067
56	12.1948	118892.5		539939	7.273			4.005	0
1019	215.5659	2093483		553260	7.274			4.008	0
1050	221.4473	2034425		555097	7.274		4	4	0
29	6.1336	55678.77		547935	7.273			3.999	0
3084	659.684	6371914		547073	7.272			3.971	0
3357	715.5878	6172052		548987	7.272			4.091	0
2563	550.0399	5154044		545404	7.272			4.012	0
282	60.6479	583994.6		544380	7.272			3.991	0
299	63.501	577806.9		551130	7.272			3.999	0
463	100.0649	997854.8		541758	7.273			3.995	0
1555	335.9255	3349876		541730	7.272			4.005	231557 104.9521
653	140.8359	140.8359		542224	7.272			4.011	0
1606	352.8746	352.8746		532510	7.272			4.006	17 0.0078
153	33.2295	33.2295		539579	7.272			4.007	42863 19.5051
511	112.6671	112.6671		530545	7.273			4.006	480470 222.3625
65	13.8882	13.8882		546779	7.272			3.992	55 0.0248
298	63.7734	63.7734		545955	7.273			3.979	11 0.0048
1302	298.3546	1454395		510608	7.273			4.016	0
706	163.0231	791604.5		507091	7.272			4.017	0
54	11.944	54864.68		532959	7.272		4	4	0
959	209.9339	952858.6		534365	7.272			4.006	0

844	189.5498	915434.3	521012	7.272	3.975	0		
34	7.6279	32896.12	514345	7.273	4.011	0		
1234	277.2315	1298874	521100	7.271	4.009	0		
1567	352.625	1697762	519971	7.273	3.986	0		
109	24.6594	112190	515254	7.274	3.882	0		
998	219.3358	1093617	532391	7.273	4.041	0		
58	12.9785	12.9785	519090	7.272	4.004	63		0.0298
27	6.005	6.005	532611	7.272	4.025	21		0.0098
1098	237.7607	237.7607	540527	7.274	4.01	45574		20.7021
1653	378.6618	378.6618	510774	7.272	4	466033		224.0294
49	10.9565	10.9565	521409	7.273	4.027	94		0.0443

(IS) 3-Pentanol (F) (IS' 07_n-Prop07_n-Propanol (F) Results

Final Conc	Accuracy	Resp.	RT	Exp. Conc.	RT	Area	Calc. Conc	Final Conc	Accuracy
0.0121		532475	7.271			5.255	24 510.256	510.256	
0.0159		538676	7.271			5.291	21 445.9226	445.9226	
0.0199		517287	7.271	0		5.286	28 630.5476	630.5476	
11.5432	101.3	514035	7.27	10.4		5.276	13 278.7223	278.7223	2680
21.7608	95.4	519746	7.271	20.8		5.281	41 900.1857	900.1857	4327.8
43.3992	95.2	531367	7.271	41.6		5.265	7 152.2539	152.2539	366
111.9867	98.1	527004	7.27	104		5.279	18 401.2177	401.2177	385.8
228.8541	100.3	516696	7.271	208		5.272	21 466.6909	466.6909	224.4
342.6719	100.1	517918	7.271	312		5.303	7 153.7877	153.7877	49.3
456.5906	100	526696	7.27	416		5.286	12 269.2666	269.2666	64.7
0.0162		526809	7.271			5.279	19 410.5424	410.5424	
0.046		511494	7.271			5.329	101 2251.885	2251.885	
0.0395		572692	7.273			5.281	43 855.0767	855.0767	
105.1004		554685	7.273			5.291	29 607.4333	607.4333	
0.0442		557104	7.273			5.292	43 881.3919	881.3919	
0.0114		552034	7.273			5.28	22 447.611	447.611	
68.6565		556234	7.273			5.275	13 272.996	2717729	
619423.9		551960	7.273			5.24	56 1153.086	11418948	
36.7458		548799	7.274			5.287	21 430.7031	2143868	
645545.1		529052	7.273			5.296	58 1251.026	6194431	
0.0076		554832	7.273			5.278	14 281.3463	281.3463	
0.0067		560945	7.274			5.289	13 266.046	266.046	
		539939	7.273			5.281	27 576.4681	5620241	
		553260	7.274			5.329	14 288.4454	2801258	
		555097	7.274			5.28	19 391.9477	3600804	
		547935	7.273			5.292	11 225.2217	2044497	
		547073	7.272			5.304	34 703.2157	6792389	
		548987	7.272			5.276	19 386.5144	3333745	
		545404	7.272			5.274	26 555.8964	5208921	
		544380	7.272			5.301	19 395.7793	3811066	
		551130	7.272			5.284	36 757.658	6894067	
		541758	7.273			5.297	33 704.9239	7029557	
1046591		541730	7.272			5.273	34 716.137	7141376	
		542224	7.272			5.286	13 273.7087	273.7087	
0.0078		532510	7.272			5.249	15 323.298	323.298	
19.5051		539579	7.272			5.275	16 340.4643	340.4643	
222.3625		530545	7.273			5.292	19 400.7001	400.7001	
0.0248		546779	7.272			5.318	22 457.97	457.97	
0.0048		545955	7.273			5.297	30 628.3147	628.3147	
		510608	7.273			5.288	21 467.9678	2281212	
		507091	7.272			5.296	28 636.266	3089568	
		532959	7.272			5.245	18 392.2728	1801897	
		534365	7.272			5.329	17 369.2457	1675951	

	521012	7.272	5.271	46	1014.21	4898147
	514345	7.273	5.267	30	669.9892	2889382
	521100	7.271	5.284	35	775.142	3631664
	519971	7.273	5.293	25	555.3655	2673885
	515254	7.274	5.129	47	1054.832	4799054
	532391	7.273	5.287	34	739.097	3685167
0.0298	519090	7.272	5.296	25	551.9476	551.9476
0.0098	532611	7.272	5.277	9	193.1255	193.1255
20.7021	540527	7.274	5.284	44	942.7683	942.7683
224.0294	510774	7.272	5.294	25	561.1928	561.1928
0.0443	521409	7.273	5.265	10	229.4388	229.4388

(IS) 3-Pentanol (F) (IS' 06_Isopro 06_Isopropanol (B) Results							(IS) 3-Pentanol (B) (IS			
Resp.	RT	Exp. Conc.	RT	Area	Calc. Conc	Final Conc	Accuracy	Resp.	RT	
532475	7.271			3.667	125	0.0552	0.0552	634462	6.014	
538676	7.271			3.213	229	0.1011	0.1011	636567	6.231	
517287	7.271	0		3.16	3009	1.3622	1.3622	620056	6.231	
514035	7.27	11.4		3.651	28429	13.0306	13.0306	114.3	612370	6.229
519746	7.271	22.8		3.653	51857	23.2553	23.2553	102	625903	6.23
531367	7.271	45.6		3.652	100392	44.4908	44.4908	97.6	633360	6.231
527004	7.27	114.1		3.65	252905	112.7903	112.7903	98.9	629375	6.23
516696	7.271	228.2		3.652	505412	228.7372	228.7372	100.2	620200	6.23
517918	7.271	342.3		3.651	756653	342.4875	342.4875	100.1	620120	6.23
526696	7.27	456.4		3.652	1015321	456.3655	456.3655	100	624473	6.23
526809	7.271			3.444	184	0.0823	0.0823	628795	6.231	
511494	7.271			3.664	132	0.0606	0.0606	611804	6.23	
572692	7.273			3.664	46	0.0198	0.0198	648513	6.232	
554685	7.273			3.65	184064	81.4409	81.4409	634379	6.233	
557104	7.273			3.661	115	0.051	0.051	633766	6.232	
552034	7.273			3.599	71	0.0313	0.0313	637175	6.233	
556234	7.273			3.742	0			637134	6.233	
551960	7.273			3.652	159146	70.5992	699140.3	632730	6.233	
548799	7.274			3.741	0			628304	6.233	
529052	7.273			3.651	307924	141.4857	700563.5	610879	6.232	
554832	7.273			3.62	50	0.0219	0.0219	639686	6.233	
560945	7.274			3.649	26	0.0112	0.0112	646225	6.233	
539939	7.273			3.741	0			621347	6.233	
553260	7.274			3.742	0			635119	6.233	
555097	7.274			3.74	0			639726	6.231	
547935	7.273			3.74	0			636015	6.23	
547073	7.272			3.74	0			635514	6.231	
548987	7.272			3.742	0			634984	6.231	
545404	7.272			3.642	0			630879	6.232	
544380	7.272			3.74	0			637935	6.231	
551130	7.272			3.742	0			638193	6.231	
541758	7.273			3.741	0			628816	6.231	
541730	7.272			3.65	198047	88.4701	882231.4	628340	6.23	
542224	7.272			3.642	17	0.0075	0.0075	626004	6.231	
532510	7.272			3.625	29	0.0132	0.0132	626545	6.23	
539579	7.272			3.652	40509	18.1339	18.1339	627019	6.231	
530545	7.273			3.651	407434	184.3848	184.3848	620233	6.232	
546779	7.272			3.755	138	0.0609	0.0609	634875	6.231	
545955	7.273			3.673	101	0.0446	0.0446	636794	6.233	
510608	7.273			3.738	0			628508	6.231	
507091	7.272			3.74	0			616697	6.231	
532959	7.272			3.74	0			621370	6.232	
534365	7.272			3.739	0			622253	6.232	

521012	7.272	3.74	0			610279	6.23
514345	7.273	3.74	0			621937	6.232
521100	7.271	3.649	0			612002	6.231
519971	7.273	3.738	0			614478	6.23
515254	7.274	3.742	0			631178	6.232
532391	7.273	3.741	0			622824	6.232
519090	7.272	3.638	54	0.0252	0.0252	605168	6.231
532611	7.272	3.736	28	0.0126	0.0126	621916	6.232
540527	7.274	3.652	38764	17.1676	17.1676	633791	6.232
510774	7.272	3.649	415726	192.1336	192.1336	607333	6.229
521409	7.273	3.61	33	0.0148	0.0148	617364	6.232

04_Metha 04_Methanol (B) Results					(IS) 3-Pentanol (B) (IS 08_n-Prop 08_n-Prop				
Exp. Conc.	RT	Area	Calc. Conc	Final Conc	Accuracy	Resp.	RT	Exp. Conc.	RT
		3.579	74	0.0322	0.0322		634462	6.014	5.212
		3.213	208	0.0906	0.0906		636567	6.231	4.777
0		3.16	3009	1.3468	1.3468		620056	6.231	0 5.23
11.3		3.652	24009	10.8807	10.8807	96.3	612370	6.229	10.4 4.672
22.6		3.653	49323	21.8699	21.8699	96.8	625903	6.23	20.8 4.77
45.1		3.652	100392	43.9897	43.9897	97.5	633360	6.231	41.6 5.164
112.8		3.65	252905	111.5199	111.5199	98.9	629375	6.23	104 5.214
225.6		3.652	505412	226.1608	226.1608	100.2	620200	6.23	208 5.238
338.4		3.651	756653	338.6299	338.6299	100.1	620120	6.23	312 5.386
451.2		3.652	1015321	451.2252	451.2252	100	624473	6.23	416 5.201
		3.444	184	0.0814	0.0814		628795	6.231	5.342
		3.619	14	0.0064	0.0064		611804	6.23	5.387
		3.64	124	0.0532	0.0532		648513	6.232	5.245
		3.65	184064	80.5236	80.5236		634379	6.233	4.943
		3.607	84	0.0369	0.0369		633766	6.232	5.272
		3.599	69	0.0299	0.0299		637175	6.233	5.059
		3.742	159736	69.5786	692668.4		637134	6.233	5.013
		3.652	159146	69.804	691265.5		632730	6.233	5.03
		3.741	317220	140.1181	697451.8		628304	6.233	5.246
		3.651	307924	139.8921	692672.7		610879	6.232	5.107
		3.62	55	0.0239	0.0239		639686	6.233	4.678
		3.621	31	0.0133	0.0133		646225	6.233	5.338
		3.741	149908	66.9568	652791.5		621347	6.233	5.248
		3.742	138036	60.3174	585776.7		635119	6.233	5.206
		3.74	145544	63.1398	580061.7		639726	6.231	5.476
		3.74	130498	56.9431	516913.4		636015	6.23	5.196
		3.74	132322	57.7844	558142.2		635514	6.231	5.161
		3.742	145289	63.5	547697		634984	6.231	5.113
		3.74	125467	55.1933	517178.8		630879	6.232	4.674
		3.74	137094	59.6412	574301.5		637935	6.231	5.236
		3.742	102300	44.4865	404790.3		638193	6.231	5.265
		3.741	92719	40.9213	408070.9		628816	6.231	5.233
		3.65	197930	87.422	871779.3		628340	6.23	5.152
		3.681	115	0.051	0.051		626004	6.231	5.221
		3.596	71	0.0313	0.0313		626545	6.23	5.205
		3.652	16097	7.1248	7.1248		627019	6.231	5.475
		3.651	407434	182.3079	182.3079		620233	6.232	5.306
		3.646	66	0.029	0.029		634875	6.231	5.238
		3.617	155	0.0676	0.0676		636794	6.233	5.71
		3.738	299116	132.0789	643847.6		628508	6.231	5.208
		3.74	271470	122.167	593215.9		616697	6.231	5.24
		3.74	287709	128.5011	590267		621370	6.232	5.116
		3.739	261914	116.814	530201.2		622253	6.232	5.157

3.74	258332	117.4774	567359.6	610279	6.23	5.207
3.74	289703	129.2736	557502.9	621937	6.232	5.208
3.738	248654	112.7579	528288.8	612002	6.231	4.888
3.738	272264	122.9666	592040.1	614478	6.23	5.227
3.742	203583	89.5146	407254.6	631178	6.232	5.248
3.741	186142	82.9437	413560.4	622824	6.232	5.234
3.633	66	0.0301	0.0301	605168	6.231	4.995
3.736	29	0.0131	0.0131	621916	6.232	5.171
3.652	22624	9.9066	9.9066	633791	6.232	5.19
3.649	415726	189.9695	189.9695	607333	6.229	5.297
3.704	26	0.0118	0.0118	617364	6.232	4.933

anol (B) Results				(IS) 3-Pentanol (B) (ISTD) Results	
Area	Calc. Conc	Final Conc	Accuracy	Resp.	RT
31	60.9881	60.9881		634462	6.014
133	263.0734	263.0734		636567	6.231
68	139.2516	139.2516		620056	6.231
1669	3438.434	3438.434	33061.9	612370	6.229
129	259.8052	259.8052	1249.1	625903	6.23
86	170.9041	170.9041	410.8	633360	6.231
90	181.0495	181.0495	174.1	629375	6.23
90	182.832	182.832	87.9	620200	6.23
205	416.98	416.98	133.6	620120	6.23
109	220.0051	220.0051	52.9	624473	6.23
81	162.852	162.852		628795	6.231
97	199.8381	199.8381		611804	6.23
29	55.5722	55.5722		648513	6.232
59	117.7459	117.7459		634379	6.233
100	199.6746	199.6746		633766	6.232
59	117.2016	117.2016		637175	6.233
54	107.3364	1068556		637134	6.233
146	291.2814	2884545		632730	6.233
124	248.975	1239298		628304	6.233
114	235.8799	1167955		610879	6.232
1524	3004.973	3004.973		639686	6.233
53	102.7128	102.7128		646225	6.233
76	155.0953	1512092		621347	6.233
29	57.972	562999.5		635119	6.233
108	212.9049	1955947		639726	6.231
55	108.3758	983804.3		636015	6.23
20	39.7905	384337.6		635514	6.231
88	175.5284	1513959		634984	6.231
1471	2941.152	27559504		630879	6.232
28	55.9245	538511.7		637935	6.231
104	206.2875	1877047		638193	6.231
94	188.911	1883836		628816	6.231
39	78.131	779129		628340	6.23
83	167.6509	167.6509		626004	6.231
33	66.7804	66.7804		626545	6.23
59	117.8364	117.8364		627019	6.231
60	122.5448	122.5448		620233	6.232
112	221.9595	221.9595		634875	6.231
133	262.734	262.734		636794	6.233
57	114.089	556151.9		628508	6.231
59	120.1665	583501.8		616697	6.231
57	116.2638	534055.5		621370	6.232
102	207.1654	940292.7		622253	6.232

27	54.9728	265492.4	610279	6.23
29	58.2003	250993.6	621937	6.232
56	114.6665	537230.8	612002	6.231
92	188.2163	906193.8	614478	6.23
49	97.3965	443114.4	631178	6.232
59	119.9202	597926.9	622824	6.232
55	113.7638	113.7638	605168	6.231
88	178.9459	178.9459	621916	6.232
90	178.8652	178.8652	633791	6.232
57	117.7979	117.7979	607333	6.229
76	154.3026	154.3026	617364	6.232

Name	Ethanol (F) Results		Ethanol (E
	Calc. Conc.	Final Conc.	Calc. Conc.
Blank	0	0	0
Blank MS %	98.9065	98.9065	140.0603
Formulation 1 10000	71.5363	712158.4618	75.8282
Formulation 1 5000	144.0003	716775.8432	150.5659
Formulation 2 10000	0	0	0
Formulation 2 5000	0	0	0
V20/021261 10000	67.2939	656078.1219	71.9858
V20/021262 10000	60.3551	586142.6375	64.6854
V20/021263 10000	64.5781	593275.8441	67.8821
V20/021264 10000	57.9629	526170.2538	61.22
V20/021265 10000	59.0115	569994.0855	62.1245
V20/021266 10000	65.7678	567256.9695	68.2694
V20/021267 10000	59.9955	562176.7653	59.3028
V20/021268 10000	61.4222	591451.1673	64.1208
V20/021269 10000	45.468	413721.1142	47.5035
V20/021269 DUP 10000	42.2426	421246.3798	44.0346
V20/021269 AVERAGE 10000			
V20/021269 REC 10000	139.6887	1392987.137	178.6776
V20/021261 5000	139.0305	695879.0108	141.9387
V20/021262 5000	127.3777	645208.2701	131.4042
V20/021263 5000	135.1314	627894.0249	139.7352
V20/021264 5000	122.4819	564599.1884	124.9498
V20/021265 5000	124.0383	599045.5486	126.1472
V20/021266 5000	138.8785	612369.8165	139.0212
V20/021267 5000	126.3153	587195.1066	130.5432
V20/021268 5000	128.2827	627956.235	131.0118
V20/021269 5000	94.7028	449592.7188	96.2378
V20/021269 DUP 5000	85.9282	428441.6448	89.2004
V20/021269 AVERAGE 5000			

	Ethanol			
	mg/Kg	SG	mg/L	g/L
Formulation 1- EtOH	727658.87	0.8635	628333.433	628.333433
Formulation 2- IPA	727295.77	0.8635	628019.8984	628.0198984

V20/021261 10000	678905.9495	0.8738	593228.0186	593.2280186
V20/021262 10000	607130.5983	0.8851	537371.2925	537.3712925
V20/021263 10000	608413.489	0.8859	538993.5099	538.9935099
V20/021264 10000	540919.2752	0.9024	488125.5539	488.1255539
V20/021265 10000	584991.1522	0.8928	522280.1006	522.2801006
V20/021266 10000	578008.4421	0.8948	517201.9539	517.2019539
V20/021267 10000	558896.5075	0.8899	497362.002	497.362002
V20/021268 10000	604405.1064	0.8938	540217.2841	540.2172841
V20/021269 10000	422954.8297	0.9274	392248.3091	392.2483091
V20/021269 10000 Dup	430153.8659	0.9274	398924.6952	398.9246952
V20/021269 AVERAGE 10000	426554.3478	0.9274	395586.5021	395.5865021
V20/021261 5000	683939.9987	0.8738	597626.7708	597.6267708
V20/021262 5000	641599.2871	0.8851	567879.529	567.879529
V20/021263 5000	634842.3394	0.8859	562406.8284	562.4068284
V20/021264 5000	569300.461	0.9024	513736.736	513.736736
V20/021265 5000	604099.9677	0.8928	539340.4512	539.3404512
V20/021266 5000	605917.5774	0.8948	542175.0483	542.1750483
V20/021267 5000	595089.8803	0.8899	529570.4844	529.5704844
V20/021268 5000	633296.5951	0.8938	566040.4967	566.0404967
V20/021269 5000	443690.3372	0.9274	411478.4187	411.4784187
V20/021269 5000 DUP	436571.5168	0.9274	404876.4247	404.8764247
V20/021269 AVERAGE 5000	440130.927	0.9274	408177.4217	408.1774217

3) Results		Ethanol Average	Isopropanol (F) Results	
Final Conc.			Calc. Conc.	Final Conc.
0		0	0	0
140.0603		119.4834 112%	105.1116	105.1116
754884.5006		733521.4812	62.5561	619489.8652
749456.6159		733116.2296	130.3881	645613.8269
0		0	70.925	702366.7684
0		0	0	0
701733.777		678905.9495	0	0
628118.559		607130.5983	0	0
623551.1338		608413.489	0	0
555668.2966		540919.2752	0	0
599988.2188		584991.1522	0	0
588759.9146		578008.4421	0	0
555616.2496		558896.5075	0	0
617359.0454		604405.1064	0	0
432188.5452		422954.8297	0	0
439061.3519		430153.8659	0	0
		426554.3478		
1781787.797		1587387.467	104.9633	1046702.598
		1160833.119		
672000.9865		683939.9987	0	0
637990.3041		641599.2871	0	0
641790.6538		634842.3394	0	0
574001.7335		569300.461	0	0
609154.3868		604099.9677	0	0
599465.3383		605917.5774	0	0
602984.6539		595089.8803	0	0
638636.9551		633296.5951	0	0
437787.9556		443690.3372	0	0
444701.3888		436571.5168	0	0
		440130.927		

anol			
SG of Ethanol	mls/L	% v/v	
0.787	798.3906392	79.8	80
0.787	797.9922471	79.8	80

mg/Kg	SG
659358.64	0.8635
673132.332	0.8635

0.787	753.7840135	75.4		
0.787	682.8097745	68.3		
0.787	684.8710418	68.5		
0.787	620.2357737	62.0		
0.787	663.6341812	66.4		
0.787	657.1816442	65.7		
0.787	631.9720483	63.2		
0.787	686.426028	68.6		
0.787	498.4095414	49.8		
0.787	506.8928783	50.7		
0.787	502.6512098	50.3		
0.787	759.3732793	75.9	76	
0.787	721.5750051	72.2	72	
0.787	714.6211289	71.5	71	
0.787	652.7785717	65.3	65	
0.787	685.311882	68.5	69	
0.787	688.9136573	68.9	69	
0.787	672.8976931	67.3	67	
0.787	719.2382423	71.9	72	
0.787	522.8442423	52.3	52	
0.787	514.4554316	51.4	51	
0.787	518.649837	51.9	52	

Isopropanol (B) Results		Isopropanol Average
Calc. Conc.	Final Conc.	
0	0	0
81.4511	81.4511	93.28135 82%
70.608	699227.4229	659358.6
141.5033	700650.837	673132.3
66.518	658724.1529	680545.5
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
88.4812	882341.332	964522 964522
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0

IPA					
mg/L	g/L	SG of IPA	mls/L	% v/v	
569356.1891	569.3561891	0.783	727.1471	72.71471	73
581249.7686	581.2497686	0.783	742.3369	74.23369	74

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Sample Name	Sample Multiplier	Ethanol (# 2) Amount	Iso propanol (# 3) Amount
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	Iso
Ethanol	propanol
#2	#2
(# 6)	(# 7)
Amount	Amount