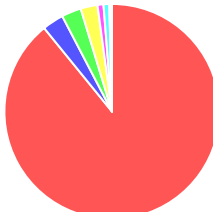




Customer: IHC LLC
Product identity: Takilma Kush Live Resin
Client/Metric ID: .
Laboratory ID: 22-014347-0001

Summary

Potency:

Analyte	Result (%)			
CBD-A	69.4		CBD-Total	
CBC-A	2.51		61.6%	
THC-A	2.30		THC-Total	
CBG-A	1.97		2.02%	
CBD	0.699		(Reported in percent of total sample)	
CBDV-A	0.669			
CBG	0.243			
CBC	0.0732			

Residual Solvents:

Analyte	Result (µg/g)	Limits (µg/g)	Status
Butanes (sum)	944	5000	pass
n-Butane	944		

Pesticides:

All analytes passing and less than LOQ.

Terpenes:

Analyte	Percent by weight	Percent of Total	Analyte	Percent by weight	Percent of Total
β-Myrcene	3.89	39.69%	β-Caryophyllene	1.45	14.80%
α-pinene	1.26	12.86%	Humulene	0.775	7.91%
Terpinolene	0.692	7.06%	(-)-β-Pinene	0.527	5.38%
α-Bisabolol	0.352	3.59%	Linalool	0.183	1.87%
(-)-Guaiol	0.169	1.72%	trans-β-Ocimene	0.152	1.55%
(±)-trans-Nerolidol	0.102	1.04%	(-)-α-Terpineol	0.0646	0.66%
(-)-caryophyllene oxide	0.0605	0.62%	(+)-fenchol	0.0510	0.52%
α-phellandrene	0.0273	0.28%	(+)-Borneol	0.0212	0.22%
Camphene	0.0198	0.20%	cis-β-Ocimene	0.00808	0.08%
Total Terpenes	9.80	100.00%			



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ORELAP#: OR100028
Purchase Order:
Received: 11/22/22 13:20

Customer: IHC LLC
 825 NW 16th Ave
 Portland Oregon 97209
 United States of America (USA)

Product identity: Takilma Kush Live Resin

Client/Metric ID: .

Sample Date:

Laboratory ID: 22-014347-0001

Evidence of Cooling: No

Temp: 13.1 °C

Relinquished by: Hinton



Sample Results

Potency	Method: J AOAC 2015 V98-6 (mod) ^p			Units %	Batch: 2210142	Analyze: 11/29/22 12:59:00 A
Analyte	As Received	Dry weight	LOQ	Notes		
CBC	0.0732		0.0677			
CBC-A	2.51		0.0677			
CBC-Total	2.28		0.127			
CBD	0.699		0.0677			
CBD-A	69.4		0.677			
CBD-Total	61.6		0.662			
CBDV	< LOQ		0.0677			
CBDV-A	0.669		0.0677			
CBDV-Total	0.580		0.126			
CBE	< LOQ		0.0677			
CBG	0.243		0.0677			
CBG-A	1.97		0.0677			
CBG-Total	1.97		0.126			
CBL	< LOQ		0.0677			
CBL-A	< LOQ		0.0677			
CBL-Total	< LOQ		0.127			
CBN	< LOQ		0.0677			
CBT	< LOQ		0.0677			
Δ10-THC	< LOQ		0.0677			
Δ8-THC	< LOQ		0.0677			
Δ8-THCV	< LOQ		0.0677			
Δ9-THC	< LOQ		0.0677			
exo-THC	< LOQ		0.0677			
THC-A	2.30		0.0677			
THC-Total	2.02		0.127			
THCV	< LOQ		0.0677			
THCV-A	< LOQ		0.0677			
THCV-Total	< LOQ		0.126			
Total Cannabinoids	77.9					



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Solvents						Method: Residual Solvents by GC/MS ^b					Units	μg/g	Batch	2210164	Analyze	11/30/22	09:13 AM
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes						
1,4-Dioxane	< LOQ	380	100	pass		2-Butanol	< LOQ	5000	200	pass							
2-Ethoxyethanol	< LOQ	160	30.0	pass		2-Methylbutane (Isopentane)	< LOQ		200								
2-Methylpentane	< LOQ		30.0			2-Propanol (IPA)	< LOQ	5000	200	pass							
2,2-Dimethylbutane	< LOQ		30.0			2,2-Dimethylpropane (neo-pentane)	< LOQ		200								
2,3-Dimethylbutane	< LOQ		30.0			3-Methylpentane	< LOQ		30.0								
Acetone	< LOQ	5000	200	pass		Acetonitrile	< LOQ	410	100	pass							
Benzene	< LOQ	2.00	1.00	pass		Butanes (sum)	944	5000	400	pass							
Cyclohexane	< LOQ	3880	200	pass		Ethyl acetate	< LOQ	5000	200	pass							
Ethyl benzene	< LOQ		200			Ethyl ether	< LOQ	5000	200	pass							
Ethylene glycol	< LOQ	620	200	pass		Ethylene oxide	< LOQ	50.0	20.0	pass							
Hexanes (sum)	< LOQ	290	150	pass		Isopropyl acetate	< LOQ	5000	200	pass							
Isopropylbenzene (Cumene)	< LOQ	70.0	30.0	pass		m,p-Xylene	< LOQ		200								
Methanol	< LOQ	3000	200	pass		Methylene chloride	< LOQ	600	60.0	pass							
Methylpropane (Isobutane)	< LOQ		200			n-Butane	944		200								
n-Heptane	< LOQ	5000	200	pass		n-Hexane	< LOQ		30.0								
n-Pentane	< LOQ		200			o-Xylene	< LOQ		200								
Pentanes (sum)	< LOQ	5000	600	pass		Propane	< LOQ	5000	200	pass							
Tetrahydrofuran	< LOQ	720	100	pass		Toluene	< LOQ	890	100	pass							
Total Xylenes	< LOQ		400			Total Xylenes and Ethyl benzene	< LOQ	2170	600	pass							



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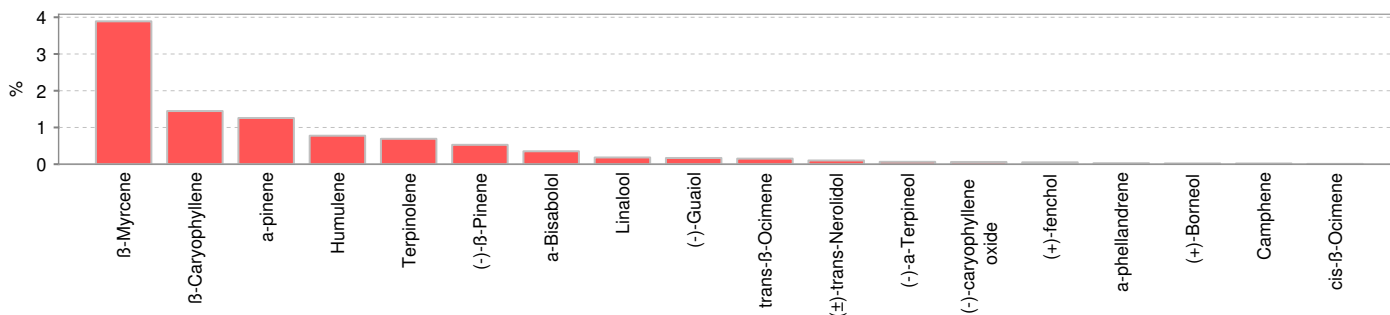


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Pesticides											
Method: AOAC 2007.01 & EN 15662 (mod) ^b											
Units mg/kg Batch 2210092 Analyze 11/28/22 09:50 AM											
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Abamectin [¥]	< LOQ	0.50	0.250	pass		Acephate [¥]	< LOQ	0.40	0.200	pass	
Acequinocyl [¥]	< LOQ	2.0	1.00	pass		Acetamiprid [¥]	< LOQ	0.20	0.100	pass	
Aldicarb [¥]	< LOQ	0.40	0.200	pass		Azoxystrobin [¥]	< LOQ	0.20	0.100	pass	
Bifentazate [¥]	< LOQ	0.20	0.100	pass		Bifenthrin [¥]	< LOQ	0.20	0.100	pass	
Boscalid [¥]	< LOQ	0.40	0.200	pass		Carbaryl [¥]	< LOQ	0.20	0.100	pass	
Carbofuran [¥]	< LOQ	0.20	0.100	pass		Chlorantraniliprole [¥]	< LOQ	0.20	0.100	pass	
Chlorfenapyr [¥]	< LOQ	1.0	0.500	pass		Chlorpyrifos [¥]	< LOQ	0.20	0.100	pass	
Clofentezine [¥]	< LOQ	0.20	0.100	pass		Cyfluthrin [¥]	< LOQ	1.0	0.500	pass	
Cypermethrin [¥]	< LOQ	1.0	0.500	pass		Daminozide [¥]	< LOQ	1.0	0.500	pass	
Diazinon [¥]	< LOQ	0.20	0.100	pass		Dichlorvos [¥]	< LOQ	1.0	0.500	pass	
Dimethoate [¥]	< LOQ	0.20	0.100	pass		Ethoprophos [¥]	< LOQ	0.20	0.100	pass	
Etofenprox [¥]	< LOQ	0.40	0.200	pass		Etoazole [¥]	< LOQ	0.20	0.100	pass	
Fenoxycarb [¥]	< LOQ	0.20	0.100	pass		Fenpyroximate [¥]	< LOQ	0.40	0.200	pass	
Fipronil [¥]	< LOQ	0.40	0.200	pass		Flonicamid [¥]	< LOQ	1.0	0.400	pass	
Fludioxonil [¥]	< LOQ	0.40	0.200	pass		Hexythiazox [¥]	< LOQ	1.0	0.400	pass	
Imazali [¥]	< LOQ	0.20	0.100	pass		Imidacloprid [¥]	< LOQ	0.40	0.200	pass	
Kresoxim-methyl [¥]	< LOQ	0.40	0.200	pass		Malathion [¥]	< LOQ	0.20	0.100	pass	
Metalaxyl [¥]	< LOQ	0.20	0.100	pass		Methiocarb [¥]	< LOQ	0.20	0.100	pass	
Methomyl [¥]	< LOQ	0.40	0.200	pass		MGK-264 [¥]	< LOQ	0.20	0.100	pass	
Myclobutanil [¥]	< LOQ	0.20	0.100	pass		Naled [¥]	< LOQ	0.50	0.250	pass	
Oxamyl [¥]	< LOQ	1.0	0.500	pass		Paclobotrazole [¥]	< LOQ	0.40	0.200	pass	
Parathion-Methyl [¥]	< LOQ	0.20	0.100	pass		Permethrin [¥]	< LOQ	0.20	0.100	pass	
Phosmet [¥]	< LOQ	0.20	0.100	pass		Piperonyl butoxide [¥]	< LOQ	2.0	1.00	pass	
Prallethrin [¥]	< LOQ	0.20	0.100	pass		Propiconazole [¥]	< LOQ	0.40	0.200	pass	
Propoxur [¥]	< LOQ	0.20	0.100	pass		Pyrethrin I (total) [¥]	< LOQ	1.0	0.500	pass	
Pyridaben [¥]	< LOQ	0.20	0.100	pass		Spinosad [¥]	< LOQ	0.20	0.100	pass	
Spiromesifen [¥]	< LOQ	0.20	0.100	pass		Spirotetramat [¥]	< LOQ	0.20	0.100	pass	
Spiroxamine [¥]	< LOQ	0.40	0.200	pass		Tebuconazole [¥]	< LOQ	0.40	0.200	pass	
Thiacloprid [¥]	< LOQ	0.20	0.100	pass		Thiamethoxam [¥]	< LOQ	0.20	0.100	pass	
Trifloxystrobin [¥]	< LOQ	0.20	0.100	pass							



Terpenes				Method: J AOAC 2015 V98-6	Units %	Batch 2210112	Analyze 11/23/22 07:54 PM		
Analyte	Result	LOQ	% of Total	Notes	Analyte	Result	LOQ	% of Total	Notes
β-Myrcene	3.89	0.019	39.69%		β-Caryophyllene	1.45	0.019	14.80%	
α-pinene	1.26	0.019	12.86%		Humulene	0.775	0.019	7.908%	
Terpinolene	0.692	0.019	7.061%		(-)-β-Pinene	0.527	0.019	5.378%	
α-Bisabolol	0.352	0.019	3.592%		Linalool	0.183	0.019	1.867%	
(-)-Guaiol	0.169	0.019	1.724%		trans-β-Ocimene	0.152	0.013	1.551%	
(±)-trans-Nerolidol	0.102	0.019	1.041%		(-)-α-Terpineol	0.0646	0.019	0.6592%	
(-)-caryophyllene oxide	0.0605	0.019	0.6173%		(+)-fenchol	0.0510	0.019	0.5204%	
α-phellandrene	0.0273	0.019	0.2786%		(+)-Borneol	0.0212	0.019	0.2163%	
Camphene	0.0198	0.019	0.2020%		α-Terpinene	< LOQ	0.019	0.00%	
(±)-Camphor	< LOQ	0.019	0.00%		d-3-Carene	< LOQ	0.019	0.00%	
(-)-Isopulegol	< LOQ	0.019	0.00%		(+)-Cedrol	< LOQ	0.019	0.00%	
Sabinene	< LOQ	0.019	0.00%		γ-Terpinene	< LOQ	0.019	0.00%	
Geraniol	< LOQ	0.019	0.00%		cis-β-Ocimene	0.00808	0.006		
Menthol	< LOQ	0.019	0.00%		Geranyl acetate	< LOQ	0.019	0.00%	
(R)-(+)-Limonene	< LOQ	0.019	0.00%		Eucalyptol	< LOQ	0.019	0.00%	
(±)-fenchone	< LOQ	0.019	0.00%		p-Cymene	< LOQ	0.019	0.00%	
(+)-Pulegone	< LOQ	0.019	0.00%		Isoborneol	< LOQ	0.019	0.00%	
Sabinene hydrate	< LOQ	0.019	0.00%		(±)-cis-Nerolidol	< LOQ	0.019	0.00%	
α-cedrene	< LOQ	0.019	0.00%		farnesene	< LOQ	0.019	0.00%	
nerol	< LOQ	0.019	0.00%		valencene	< LOQ	0.019	0.00%	
Total Terpenes	9.80								





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Received: 11/22/22 13:20

These test results are representative of the individual sample selected and submitted by the client.

Abbreviations

Limits: Action Levels per OAR-333-007-0400, OAR-333-007-0210, OAR-333-007-0220, CCR title 16-division 42. BCC-section 5723

Limit(s) of Quantitation (LOQ): The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.

^p = ISO/IEC 17025:2017 accredited method.

^y = TNI accredited analyte.

Units of Measure

µg/g = Microgram per gram

mg/kg = Milligram per kilogram = parts per million (ppm)

% = Percentage of sample

% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner
General Manager



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Report Number: 22-014347/D006.R000
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Hemp & Cannabis: Usable / Extract / Finished Product
Chain of Custody Record

Document Control ID: 2832 Revision: 5
 Effective: 01/04/2022

ORELAP ID: OR300828 ANAB ISO 17025 ID: AT-1508

22-014347

Company: <u>IHE, LLC</u> Contact: <u>Joel@thehempcollect.com</u> Address: <u>431 NW Flamingo St</u> City: <u>Portland</u> State: <u>OR</u> Zip Code: <u>97209</u> Email Results: <u>Joel@thehempcollect.com</u> Phone: <u>503-0003</u> Name: _____ Email: _____ Address: _____ City: _____ State: _____ Zip: _____ Ph: _____			Analysis Requested Residual Solvents Pesticides Terpenes Potency				PO Number: _____ Project ID: _____ Batch ID: _____ Sampled by: _____ Custom Reporting: _____ Source Material: <input checked="" type="checkbox"/> - Ind. Hemp product <input type="checkbox"/> - Rec. Cannabis Reporting Type: <input type="checkbox"/> - Compliance <input checked="" type="checkbox"/> - R&D Report to: <input type="checkbox"/> - METRC <input type="checkbox"/> - ODA <input type="checkbox"/> - USDA <input type="checkbox"/> - Other Turnaround time (TAT - Business Days): <input checked="" type="checkbox"/> - 5BD <input type="checkbox"/> - 3BD* <input type="checkbox"/> - 2BD* <small>*Check for availability</small>		
Lab ID	Client Sample Identification	Sample date	Residual Solvents	Pesticides	Terpenes	Potency	Material Type	Weight (g)	Comments/Weight ID
1	Takima Kush Live Resin		X	X	X	X		10g	
2	Blue Dream Live Resin		X	X	X	X		10g	
3	Wesley's Wish Live Resin		X	X	X	X		10g	
4	Live D9 King Huckleberry					X		24g	<div style="border: 1px solid black; padding: 5px; border-radius: 10px;"> #4 Edible #5 Serving Size: 8g </div>
5	Live D9 King Saw Apple					X		24g	
Signature - Requested By: <u>[Signature]</u> Date: <u>11/22</u> Time: <u>12:15</u> Signature - Received By: <u>[Signature]</u> Date: <u>11/22</u> Time: <u>12:40</u>			Signature - Received By: <u>[Signature]</u> Date: <u>11/22</u> Time: <u>12:15</u> Signature - Received By: <u>[Signature]</u> Date: <u>11/22</u> Time: <u>12:20</u>			Lab Use Only: <input type="checkbox"/> Shipped Via _____ or <input type="checkbox"/> Client ship off Evidence of cooling: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No - Temp: <u>13.1</u> Sample in good condition: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Payment: <input type="checkbox"/> Cash <input type="checkbox"/> Check <input type="checkbox"/> CC <input type="checkbox"/> Net: Inking storage: _____			

* - Material Type Codes: Plant Material (P) | Isolate (I) | Concentrate/Extract (C) | Tincture/Topical (T) | Edible (E) | Beverage (B) | Vapor Product (V)

Sample collected at Columbia Laboratories will remain the property of the client until the report is issued. For more information visit www.columbialabs.com or contact our lab call center at 503-254-1794. All samples are analyzed by a primary agency or lab on site.

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 Portland, OR 97230

P: 503-254-1794 | Fax: 503-254-1457
info@columbialabs.com

Page: _____ of _____
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Portland, OR 97230
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Report Date: 12/01/2022
ORELAP#: OR100028
Purchase Order:
Received: 11/22/22 13:20

Revision: 3 Document ID: 3120
Legacy ID: CFL-C21 Worksheet Validated 10/30/2020

Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 15662		Units: mg/Kg		Batch ID: 2210092				
Method Blank		Laboratory Control Sample						
Analyte	Blank Result	Blank Limits	Notes	LCS Result	LCS Spike	LCS % Rec	Limits	Notes
Abamectin	0.000	< 0.250		1.056	1.000	105.6	50.0	150
Acephate	0.000	< 0.200		0.822	0.800	102.8	60.0	120
Acetamiprid	0.000	< 1.000		4.115	4.000	102.9	40.0	160
Acetamiprid	0.000	< 0.100		0.432	0.400	108.0	60.0	120
Aldicarb	0.000	< 0.200		0.833	0.800	104.1	60.0	120
Azoxystrobin	0.000	< 0.100		0.424	0.400	106.1	60.0	120
Bifenazate	0.000	< 0.100		0.414	0.400	103.4	60.0	120
Bifenthrin	0.000	< 0.100		0.427	0.400	106.7	50.0	150
Boscalid	0.000	< 0.200		0.805	0.800	100.6	60.0	120
Carbaryl	0.000	< 0.100		0.424	0.400	106.1	60.0	120
Carbofuran	0.000	< 0.100		0.425	0.400	106.3	60.0	120
Chlorantraniliprole	0.000	< 0.100		0.426	0.400	106.4	60.0	120
Chlorfenapyr	0.000	< 0.500		2.256	2.000	112.8	60.0	120
Chlorpyrifos	0.000	< 0.100		0.411	0.400	102.6	60.0	120
Clofentazine	0.000	< 0.100		0.412	0.400	103.0	60.0	120
Cyfluthrin	0.000	< 0.500		2.185	2.000	109.2	50.0	150
Cypermethrin	0.000	< 0.500		2.116	2.000	105.8	50.0	150
Daminozide	0.001	< 0.500		1.381	2.000	69.1	60.0	120
Diazinon	0.000	< 0.100		0.420	0.400	104.9	60.0	120
Dichlorvos	0.000	< 0.500		2.074	2.000	103.7	60.0	120
Dimethoate	0.000	< 0.100		0.424	0.400	105.9	60.0	120
Ethoprophos	0.000	< 0.100		0.425	0.400	106.3	60.0	120
Etofenprox	0.000	< 0.200		0.845	0.800	105.7	50.0	150
Etoxazole	0.000	< 0.100		0.425	0.400	106.3	60.0	120
Fenoxycarb	0.000	< 0.100		0.427	0.400	106.9	60.0	120
Fenpyroximate	0.000	< 0.200		0.826	0.800	103.2	60.0	120
Fipronil	0.000	< 0.200		0.863	0.800	107.9	60.0	120
Fonicamid	0.000	< 0.250		1.002	1.000	100.2	60.0	120
Fludioxonil	0.000	< 0.200		0.855	0.800	106.9	50.0	150
Hexythiazox	0.000	< 0.250		1.030	1.000	103.0	60.0	120
Imazalil	0.000	< 0.100		0.402	0.400	100.5	60.0	120
Imidacloprid	0.000	< 0.200		0.850	0.800	106.2	60.0	120
Kresoxim-methyl	0.000	< 0.200		0.853	0.800	106.6	60.0	120
Malathion	0.000	< 0.100		0.433	0.400	108.2	60.0	120
Metaxalyl	0.000	< 0.100		0.426	0.400	106.4	60.0	120
Methiocarb	0.000	< 0.100		0.434	0.400	108.5	60.0	120
Methomyl	0.000	< 0.200		0.784	0.800	98.0	60.0	120
MGK-264	0.000	< 0.100		0.411	0.400	102.8	50.0	150
Myclobutanil	0.000	< 0.100		0.427	0.400	106.8	60.0	120
Naled	0.000	< 0.250		1.056	1.000	105.6	50.0	150
Oxamyl	0.000	< 0.500		2.152	2.000	107.6	60.0	120
Pacllobutrazole	0.000	< 0.200		0.847	0.800	105.9	60.0	120
Parathion-Methyl	0.000	< 0.100		0.362	0.400	90.5	50.0	150
Permethrin	0.000	< 0.100		0.405	0.400	101.3	50.0	150
Phosmet	0.000	< 0.100		0.424	0.400	105.9	50.0	150
Piperonyl butoxide	0.000	< 0.500		2.063	2.000	103.1	60.0	120
Prallethrin	0.000	< 0.100		0.414	0.400	103.5	60.0	120
Propiconazole	0.000	< 0.200		0.841	0.800	105.1	60.0	120
Propoxur	0.000	< 0.100		0.428	0.400	107.1	60.0	120
Pyrethrin (Summe)	0.000	< 0.100		0.514	0.488	105.2	60.0	120
Pyridaben	0.000	< 0.100		0.418	0.400	104.6	50.0	150
Spirosad	0.000	< 0.100		0.389	0.388	100.2	50.0	150
Spiromesifen	0.000	< 0.100		0.432	0.400	108.1	60.0	120
Spirotetramat	0.000	< 0.100		0.433	0.400	108.3	60.0	120
Spiroxamine	0.000	< 0.200		0.845	0.800	105.6	60.0	120
Tebuconazole	0.000	< 0.200		0.841	0.800	105.1	60.0	120
Thiacloprid	0.000	< 0.100		0.428	0.400	107.0	60.0	120
Thiamethoxam	0.000	< 0.100		0.402	0.400	100.6	60.0	120
Trifloxystrobin	0.000	< 0.100		0.420	0.400	105.0	60.0	120



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Report Date: 12/01/2022
ORELAP#: OR100028
Purchase Order:
Received: 11/22/22 13:20

Revision: 3 Document ID: 3120
 Legacy ID: CFL-C21 Worksheet Validated 10/30/2020

Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 15662		Units: mg/Kg					Batch ID: 2210092				
Matrix Spike/Matrix Spike Duplicate Recoveries						Sample ID: 22-014272-0001					
Analyte	Result	MS Res	MSD Res	Spike	RPD%	Limit	MS % Rec	MSD % Rec	Limits	Notes	
Abamectin	0.000	0.715	0.757	1.000	5.7%	< 30	71.5%	75.7%	50 - 150		
Acephate	0.128	0.577	0.559	0.800	4.2%	< 30	56.2%	53.9%	50 - 150		
Acetamiprid	0.000	1.723	1.859	4.000	7.6%	< 30	43.1%	46.5%	50 - 150	Q	
Aldicarb	0.000	0.366	0.381	0.400	4.2%	< 30	91.4%	95.3%	50 - 150		
Azinphosmethyl	0.000	0.730	0.760	0.800	4.0%	< 30	91.3%	95.1%	50 - 150		
Azoxystrobin	0.008	0.306	0.316	0.400	3.2%	< 30	74.7%	77.1%	50 - 150		
Bifentazate	0.000	0.352	0.368	0.400	4.6%	< 30	87.9%	92.0%	50 - 150		
Bifenthrin	0.000	0.154	0.147	0.400	4.2%	< 30	38.4%	36.8%	50 - 150	Q	
Boscalid	0.000	0.597	0.651	0.800	8.8%	< 30	74.6%	81.4%	50 - 150		
Carbaryl	0.000	0.312	0.313	0.400	0.4%	< 30	77.9%	78.3%	50 - 150		
Carbofuran	0.000	0.285	0.295	0.400	3.7%	< 30	71.1%	73.9%	50 - 150		
Chlorantraniliprole	0.000	0.310	0.320	0.400	3.1%	< 30	77.5%	80.0%	50 - 150		
Chlorfenapyr	0.000	1.487	1.257	2.000	16.8%	< 30	74.4%	62.8%	50 - 150		
Chlorpyrifos	0.000	0.430	0.405	0.400	6.1%	< 30	107.5%	101.2%	50 - 150		
Clofentezine	0.000	0.238	0.244	0.400	2.4%	< 30	59.5%	61.0%	50 - 150		
Cyfluthrin	0.013	0.958	0.981	2.000	2.5%	< 30	47.2%	48.4%	30 - 150		
Cypermethrin	0.000	0.808	0.832	2.000	3.0%	< 30	40.4%	41.6%	50 - 150	Q	
Daminozide	0.000	0.637	0.645	2.000	1.2%	< 30	31.9%	32.3%	30 - 150		
Diazinon	0.000	0.156	0.161	0.400	3.0%	< 30	39.1%	40.2%	50 - 150	Q	
Dichlorvos	0.000	1.700	1.783	2.000	4.8%	< 30	85.0%	89.2%	50 - 150		
Dimethoate	0.000	0.382	0.385	0.400	0.7%	< 30	95.6%	96.2%	50 - 150		
Ethoprophos	0.000	0.288	0.302	0.400	4.8%	< 30	72.0%	75.5%	50 - 150		
Etofenprox	0.000	0.410	0.415	0.800	1.1%	< 30	51.3%	51.8%	50 - 150		
Etoxazole	0.000	0.326	0.328	0.400	0.7%	< 30	81.4%	82.0%	50 - 150		
Fenoxycarb	0.000	0.287	0.307	0.400	6.5%	< 30	71.8%	76.6%	50 - 150		
Fenpyroximate	0.000	0.356	0.347	0.800	2.6%	< 30	44.6%	43.4%	50 - 150	Q	
Fipronil	0.000	0.464	0.480	0.800	3.4%	< 30	58.0%	60.0%	50 - 150		
Fonicamid	0.000	0.939	0.879	1.000	6.6%	< 30	93.9%	87.9%	50 - 150		
Fludioxonil	0.000	0.974	0.947	0.800	2.8%	< 30	121.8%	118.4%	50 - 150		
Hexythiazox	0.000	0.767	0.766	1.000	0.1%	< 30	76.7%	76.6%	50 - 150		
Imazalil	0.000	0.345	0.374	0.400	8.2%	< 30	86.2%	93.6%	50 - 150		
Imidacloprid	0.000	0.828	0.868	0.800	4.6%	< 30	103.5%	108.5%	50 - 150		
Kresoxim-methyl	0.000	0.554	0.575	0.800	3.8%	< 30	69.3%	71.9%	50 - 150		
Malathion	0.000	0.265	0.275	0.400	3.9%	< 30	66.2%	68.8%	50 - 150		
Metaxalyl	0.000	0.302	0.319	0.400	5.6%	< 30	75.5%	79.9%	50 - 150		
Methiocarb	0.000	0.304	0.327	0.400	7.5%	< 30	75.9%	81.8%	50 - 150		
Methomyl	0.000	0.786	0.707	0.800	10.6%	< 30	98.3%	88.4%	50 - 150		
MGK-264	0.000	0.184	0.186	0.400	1.0%	< 30	46.1%	46.6%	50 - 150	Q	
Myclobutanil	0.000	0.216	0.238	0.400	9.7%	< 30	54.1%	59.6%	50 - 150		
Naled	0.000	0.601	0.619	1.000	3.0%	< 30	60.1%	61.9%	50 - 150		
Oxamyl	0.000	1.966	1.951	2.000	0.7%	< 30	98.3%	97.6%	50 - 150		
Paclotrazole	0.000	0.568	0.601	0.800	5.7%	< 30	70.9%	75.1%	50 - 150		
Parathion-Methyl	0.000	0.139	0.124	0.400	10.8%	< 30	34.7%	31.1%	30 - 150		
Permethrin	0.000	0.232	0.234	0.400	0.6%	< 30	58.0%	58.4%	50 - 150		
Phosmet	0.000	0.281	0.315	0.400	11.2%	< 30	70.3%	78.7%	50 - 150		
Piperonyl butoxide	0.000	1.614	1.643	2.000	1.8%	< 30	80.7%	82.2%	50 - 150		
Prallethrin	0.000	0.243	0.253	0.400	4.1%	< 30	60.7%	63.3%	50 - 150		
Propiconazole	0.020	0.814	0.846	0.800	3.9%	< 30	99.2%	103.2%	50 - 150		
Propoxur	0.000	0.315	0.319	0.400	1.5%	< 30	78.6%	79.9%	50 - 150		
Pyrethrin (Summe)	0.178	0.593	0.637	0.488	10.2%	< 30	84.9%	94.1%	50 - 150		
Pyridaben	0.013	0.279	0.280	0.400	0.3%	< 30	66.5%	66.7%	50 - 150		
Spinosad	0.000	0.292	0.303	0.388	3.5%	< 30	75.3%	78.0%	50 - 150		
Spiromesifen	0.000	0.309	0.291	0.400	6.0%	< 30	77.3%	72.8%	50 - 150		
Spirotetramat	0.000	0.496	0.515	0.400	3.8%	< 30	124.0%	128.8%	50 - 150		
Spiroxamine	0.000	0.670	0.701	0.800	4.5%	< 30	83.8%	87.7%	50 - 150		
Tebuconazole	0.000	0.562	0.611	0.800	8.4%	< 30	70.2%	76.3%	50 - 150		
Thiacloprid	0.000	0.361	0.367	0.400	1.7%	< 30	90.2%	91.7%	50 - 150		
Thiamethoxam	0.000	0.394	0.413	0.400	4.7%	< 30	98.5%	103.3%	50 - 150		
Trifloxystrobin	0.000	0.294	0.296	0.400	0.8%	< 30	73.5%	74.1%	50 - 150		



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Report Number: 22-014347/D006.R000
Report Date: 12/01/2022
ORELAP#: OR100028
Purchase Order:
Received: 11/22/22 13:20

Revision: 1 Document ID: 7086
Legacy ID: CFL-E57Worksheet Validated 11/04/2020

Terpenes Quality Control Results

Method Reference: EPA 5035				Batch ID: 2210112					
Method Blank				Laboratory Control Sample					
Analyte	Result	LOQ	Notes	Result	LCS	Units	LCS % Rec	Limits	Notes
a-pinene	<LOQ	< 200		497	500	µg/g	99%	70 - 130	
Camphene	<LOQ	< 200		474	500	µg/g	95%	70 - 130	
Sabinene	<LOQ	< 200		492	500	µg/g	98%	70 - 130	
b-Pinene	<LOQ	< 200		485	500	µg/g	97%	70 - 130	
b-Myrcene	<LOQ	< 200		475	500	µg/g	95%	70 - 130	
a-phellandrene	<LOQ	< 200		482	500	µg/g	96%	70 - 130	
d-3-Carene	<LOQ	< 200		481	500	µg/g	96%	70 - 130	
a-Terpinene	<LOQ	< 200		501	500	µg/g	100%	70 - 130	
p-Cymene	<LOQ	< 200		483	500	µg/g	97%	70 - 130	
D-Limonene	<LOQ	< 200		503	500	µg/g	101%	70 - 130	
Eucalyptol	<LOQ	< 200		473	500	µg/g	95%	70 - 130	
b-cis-Ocimene	<LOQ	< 67		166	167	µg/g	99%	70 - 130	
b-trans-Ocimene	<LOQ	< 133		334	333	µg/g	100%	70 - 130	
g-Terpinene	<LOQ	< 200		492	500	µg/g	98%	70 - 130	
Sabinene_Hydrate	<LOQ	< 200		491	500	µg/g	98%	70 - 130	
Terpinolene	<LOQ	< 200		509	500	µg/g	102%	70 - 130	
D-Fenchone	<LOQ	< 200		493	500	µg/g	99%	70 - 130	
Linalool	<LOQ	< 200		515	500	µg/g	103%	70 - 130	
Fenchol	<LOQ	< 200		507	500	µg/g	101%	70 - 130	
Camphor	<LOQ	< 200		487	500	µg/g	97%	70 - 130	
Isopulego	<LOQ	< 200		516	500	µg/g	103%	70 - 130	
Isoborneol	<LOQ	< 200		489	500	µg/g	98%	70 - 130	
Borneol	<LOQ	< 200		495	500	µg/g	99%	70 - 130	
DL-Menthol	<LOQ	< 200		490	500	µg/g	98%	70 - 130	
Terpineol	<LOQ	< 200		515	500	µg/g	103%	70 - 130	
Nerol	<LOQ	< 200		530	500	µg/g	106%	70 - 130	
Pulegone	<LOQ	< 200		531	500	µg/g	106%	70 - 130	
Geraniol	<LOQ	< 200		570	500	µg/g	114%	70 - 130	
Geranyl_Acetate	<LOQ	< 200		493	500	µg/g	99%	70 - 130	
a-Cedrene	<LOQ	< 200		485	500	µg/g	97%	70 - 130	
b-Caryophyllene	<LOQ	< 200		487	500	µg/g	97%	70 - 130	
a-Humulene	<LOQ	< 200		512	500	µg/g	102%	70 - 130	
Valenene	<LOQ	< 200		460	500	µg/g	92%	70 - 130	
cis-Nerolidol	<LOQ	< 200		502	500	µg/g	100%	70 - 130	
a-Farnesene	<LOQ	< 200		528	500	µg/g	106%	70 - 130	
trans-Nerolidol	<LOQ	< 200		525	500	µg/g	105%	70 - 130	
Caryophyllene_Oxide	<LOQ	< 200		492	500	µg/g	98%	70 - 130	
Guaiol	<LOQ	< 200		514	500	µg/g	103%	70 - 130	
Cedrol	<LOQ	< 200		500	500	µg/g	100%	70 - 130	
a-Bisabolol	<LOQ	< 200		504	500	µg/g	101%	70 - 130	

Definitions

LOQ	Limit of Quantitation
LCS	Laboratory Control Sample
% REC	Percent Recovery



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ORELAP#: OR100028
Purchase Order:
Received: 11/22/22 13:20

Revision: 1 Document ID: 7086
 Legacy ID: CFL-E57Worksheet Validated 11/04/2020

Terpenes Quality Control Results

Method Reference: EPA 5035		Batch ID: 2210112					
Sample/Sample Duplicate		Sample ID: 22-014270-0001					
Analyte	Result	Org. Result	LOQ	Units	% RPD	LIMIT	Notes
a-pinene	<LOQ	<LOQ	190	µg/g	0%	< 20	
Camphene	<LOQ	<LOQ	190	µg/g	0%	< 20	
Sabinene	<LOQ	<LOQ	190	µg/g	0%	< 20	
b-Pinene	<LOQ	<LOQ	190	µg/g	0%	< 20	
b-Myrcene	<LOQ	<LOQ	190	µg/g	0%	< 20	
a-phellandrene	<LOQ	<LOQ	190	µg/g	0%	< 20	
d-3-Carene	<LOQ	<LOQ	190	µg/g	0%	< 20	
a-Terpinene	<LOQ	<LOQ	190	µg/g	0%	< 20	
p-Cymene	<LOQ	<LOQ	190	µg/g	0%	< 20	
D-Limonene	1710	1640	190	µg/g	4%	< 20	
Eucalyptol	<LOQ	<LOQ	190	µg/g	0%	< 20	
b-cis-Ocimene	<LOQ	<LOQ	63.2	µg/g	0%	< 20	
b-trans-Ocimene	<LOQ	<LOQ	126	µg/g	0%	< 20	
g-Terpinene	<LOQ	<LOQ	190	µg/g	0%	< 20	
Sabinene_Hydrate	<LOQ	<LOQ	190	µg/g	0%	< 20	
Terpinolene	<LOQ	<LOQ	190	µg/g	0%	< 20	
D-Fenchone	<LOQ	<LOQ	190	µg/g	0%	< 20	
Linalool	371	369	190	µg/g	1%	< 20	
Fenchol	<LOQ	<LOQ	190	µg/g	0%	< 20	
Camphor	<LOQ	<LOQ	190	µg/g	0%	< 20	
Isopulego	<LOQ	<LOQ	190	µg/g	0%	< 20	
Isoborneol	<LOQ	<LOQ	190	µg/g	0%	< 20	
Borneol	<LOQ	<LOQ	190	µg/g	0%	< 20	
DL-Menthol	<LOQ	<LOQ	190	µg/g	0%	< 20	
Terpineol	<LOQ	<LOQ	190	µg/g	0%	< 20	
Nerol	<LOQ	<LOQ	190	µg/g	0%	< 20	
Pulegone	<LOQ	<LOQ	190	µg/g	0%	< 20	
Geraniol	<LOQ	<LOQ	190	µg/g	0%	< 20	
Geranyl_Acetate	<LOQ	<LOQ	190	µg/g	0%	< 20	
a-Cedrene	299	294	190	µg/g	2%	< 20	
b-Caryophyllene	<LOQ	<LOQ	190	µg/g	0%	< 20	
a-Humulene	<LOQ	<LOQ	190	µg/g	0%	< 20	
Valenene	<LOQ	<LOQ	190	µg/g	0%	< 20	
cis-Nerolidol	<LOQ	<LOQ	190	µg/g	0%	< 20	
a-Farnesene	<LOQ	<LOQ	190	µg/g	0%	< 20	
trans-Nerolidol	<LOQ	<LOQ	190	µg/g	0%	< 20	
Caryophyllene_Oxide	<LOQ	<LOQ	190	µg/g	0%	< 20	
Guaial	<LOQ	<LOQ	190	µg/g	0%	< 20	
Cedrol	192	191	190	µg/g	1%	< 20	
a-Bisabolol	<LOQ	<LOQ	190	µg/g	0%	< 20	

Definitions

RPD Relative Percent Difference



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Report Number: 22-014347/D006.R000
Report Date: 12/01/2022
ORELAP#: OR100028
Purchase Order:
Received: 11/22/22 13:20

Revision: 1 Document ID: 7148
Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

J AOAC 2015 V98-6 Batch ID: 2210142

Laboratory Control Sample									
Analyte	LCS	Result	Spike	Units	% Rec	Limits		Evaluation	Notes
CBDVA	2	0.103	0.102	%	100	80.0	- 120	Acceptable	
CBDV	2	0.108	0.106	%	101	80.0	- 120	Acceptable	
CBE	2	0.105	0.106	%	98.5	80.0	- 120	Acceptable	
CBDA	1	0.101	0.0957	%	106	90.0	- 110	Acceptable	
CBGA	1	0.101	0.0965	%	105	80.0	- 120	Acceptable	
CBG	1	0.102	0.0953	%	107	80.0	- 120	Acceptable	
CBD	1	0.105	0.0956	%	110	90.0	- 110	Acceptable	
THCV	2	0.103	0.102	%	101	80.0	- 120	Acceptable	
d8THCV	2	0.108	0.109	%	99.4	80.0	- 120	Acceptable	
THCVA	2	0.0995	0.0996	%	99.8	80.0	- 120	Acceptable	
CBN	1	0.104	0.0990	%	106	80.0	- 120	Acceptable	
exo-THC	2	0.0975	0.0982	%	99.3	80.0	- 120	Acceptable	
d9THC	1	0.106	0.102	%	104	90.0	- 110	Acceptable	
d8THC	1	0.0992	0.100	%	99.1	90.0	- 110	Acceptable	
CBL	2	0.104	0.100	%	104	80.0	- 120	Acceptable	
9S-HHC	3	0.0997	0.100	%	99.7	80.0	- 120	Acceptable	
d10THC	1	0.0980	0.0921	%	106	80.0	- 120	Acceptable	
CBG	2	0.106	0.105	%	101	80.0	- 120	Acceptable	
9R-HHC	3	0.0934	0.100	%	93.4	80.0	- 120	Acceptable	
THCA	1	0.103	0.0958	%	107	90.0	- 110	Acceptable	
CBCA	2	0.102	0.103	%	99.0	80.0	- 120	Acceptable	
CBLA	2	0.107	0.106	%	101	80.0	- 120	Acceptable	
d8THCO	3	0.105	0.100	%	105	80.0	- 120	Acceptable	
CBT	2	0.106	0.110	%	96.2	80.0	- 120	Acceptable	
d9THCO	3	0.106	0.100	%	106	80.0	- 120	Acceptable	

Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBDV	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBE	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBDA	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBGA	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBG	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBD	<LOQ	0.0077	%	< 0.0077	Acceptable	
THCV	<LOQ	0.0077	%	< 0.0077	Acceptable	
d8THCV	<LOQ	0.0077	%	< 0.0077	Acceptable	
THCVA	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBN	<LOQ	0.0077	%	< 0.0077	Acceptable	
exo-THC	<LOQ	0.0077	%	< 0.0077	Acceptable	
d9THC	<LOQ	0.0077	%	< 0.0077	Acceptable	
d8THC	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBL	<LOQ	0.0077	%	< 0.0077	Acceptable	
9S-HHC	<LOQ	0.0077	%	< 0.0077	Acceptable	
d10THC	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBG	<LOQ	0.0077	%	< 0.0077	Acceptable	
9R-HHC	<LOQ	0.0077	%	< 0.0077	Acceptable	
THCA	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBCA	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBLA	<LOQ	0.0077	%	< 0.0077	Acceptable	
d8THCO	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBT	<LOQ	0.0077	%	< 0.0077	Acceptable	
d9THCO	<LOQ	0.0077	%	< 0.0077	Acceptable	

Abbreviations

ND - None Detected at or above MRL
RPD - Relative Percent Difference
LOQ - Limit of Quantitation

Units of Measure:

% - Percent



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Received: 11/22/22 13:20

Revision: 1 Document ID: 7148
 Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

J AOAC 2015 V98-6		Batch ID: 2210142						
Sample Duplicate		Sample ID: 22-014342-0001						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBDV	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBDA	2.00	1.89	0.077	%	5.36	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBG	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBD	0.128	0.129	0.077	%	0.566	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBN	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
d9THC	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
d8THC	0.318	0.312	0.077	%	1.88	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
9S-HHC	22.9	22.6	0.077	%	1.46	< 20	Acceptable	
d10THC	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBC	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
9R-HHC	65.9	60.3	0.077	%	8.89	< 20	Acceptable	
THCA	0.155	0.153	0.077	%	1.38	< 20	Acceptable	
CBCA	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
d8THCO	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBT	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
d9THCO	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	

Abbreviations

ND - None Detected at or above MRL
 RPD - Relative Percent Difference
 LOQ - Limit of Quantitation

Units of Measure:



12423 NE Whitaker Way
 Portland, OR 97230
 503-254-1794

Report Number: 22-014347/D006.R000
Report Date: 12/01/2022
ORELAP#: OR100028
Purchase Order:
Received: 11/22/22 13:20



Revision: 2 Document ID: 7087
 Legacy ID: CFL-E33Effective:

Laboratory Quality Control Results

Residual Solvents				Batch ID: 2210164					
Method Blank				Laboratory Control Sample					
Analyte	Result	LOQ	Notes	Result	Spike	Units	% Rec	Limits	Notes
Propane	ND	< 200		601	572	µg/g	105.1	60 - 120	
Isobutane	ND	< 200		751	731	µg/g	102.7	60 - 120	
Butane	ND	< 200		744	731	µg/g	101.8	60 - 120	
2,2-Dimethylpropane	ND	< 200		977	936	µg/g	104.4	60 - 120	
Methanol	ND	< 200		1730	1650	µg/g	104.8	60 - 120	
Ethylene Oxide	ND	< 30		58.5	56.2	µg/g	104.1	60 - 120	
2-Methylbutane	ND	< 200		1660	1650	µg/g	100.6	60 - 120	
Pentane	ND	< 200		1660	1650	µg/g	100.6	60 - 120	
Ethanol	ND	< 200		1650	1660	µg/g	99.4	70 - 130	
Ethyl Ether	ND	< 200		1580	1630	µg/g	96.9	60 - 120	
2,2-Dimethylbutane	ND	< 30		202	189	µg/g	106.9	60 - 120	
Acetone	ND	< 200		1700	1650	µg/g	103.0	60 - 120	
2-Propanol	ND	< 200		1710	1650	µg/g	103.6	60 - 120	
Ethyl Formate	ND	< 500		1510	1610	µg/g	93.8	70 - 130	
Acetonitrile	ND	< 100		551	504	µg/g	109.3	60 - 120	
Methyl Acetate	ND	< 500		1740	1630	µg/g	106.7	70 - 130	
2,3-Dimethylbutane	ND	< 30		165	174	µg/g	94.8	60 - 120	
Dichloromethane	ND	< 60		514	521	µg/g	98.7	60 - 120	
2-Methylpentane	ND	< 30		187	187	µg/g	100.0	60 - 120	
MTBE	ND	< 500		1640	1600	µg/g	102.5	70 - 130	
3-Methylpentane	ND	< 30		198	188	µg/g	105.3	60 - 120	
Hexane	ND	< 30		199	182	µg/g	109.3	60 - 120	
1-Propanol	ND	< 500		1720	1610	µg/g	106.8	70 - 130	
Methylethylketone	ND	< 500		1690	1600	µg/g	105.6	70 - 130	
Ethyl acetate	ND	< 200		1660	1630	µg/g	101.8	60 - 120	
2-Butanol	ND	< 200		1650	1630	µg/g	101.2	60 - 120	
Tetrahydrofuran	ND	< 100		532	506	µg/g	105.1	60 - 120	
Cyclohexane	ND	< 200		1580	1640	µg/g	96.3	60 - 120	
2-methyl-1-propanol	ND	< 500		1610	1620	µg/g	99.4	70 - 130	
Benzene	ND	< 1		4.51	4.93	µg/g	91.5	60 - 120	
Isopropyl Acetate	ND	< 200		1650	1640	µg/g	100.6	60 - 120	
Heptane	ND	< 200		1650	1630	µg/g	101.2	60 - 120	
1-Butanol	ND	< 500		1630	1600	µg/g	101.9	70 - 130	
Propyl Acetate	ND	< 500		1670	1620	µg/g	103.1	70 - 130	
1,4-Dioxane	ND	< 100		471	493	µg/g	95.5	60 - 120	
2-Ethoxyethanol	ND	< 30		169	171	µg/g	98.8	60 - 120	
Methylisobutylketone	ND	< 500		1660	1620	µg/g	102.5	70 - 130	
3-Methyl-1-butanol	ND	< 500		1680	1610	µg/g	104.3	70 - 130	
Ethylene Glycol	ND	< 200		495	494	µg/g	100.2	60 - 120	
Toluene	ND	< 100		482	506	µg/g	95.3	60 - 120	
Isobutyl Acetate	ND	< 500		1700	1620	µg/g	104.9	70 - 130	
1-Pentanol	ND	< 500		1680	1610	µg/g	104.3	70 - 130	
Butyl Acetate	ND	< 500		1610	1610	µg/g	100.0	70 - 130	
Ethylbenzene	ND	< 200		938	996	µg/g	94.2	60 - 120	
m,p-Xylene	ND	< 200		913	1010	µg/g	90.4	60 - 120	
o-Xylene	ND	< 200		921	979	µg/g	94.1	60 - 120	
Cumene	ND	< 30		157	188	µg/g	83.5	60 - 120	
Anisole	ND	< 500		1620	1610	µg/g	100.6	70 - 130	
DMSO	ND	< 500		1560	1600	µg/g	97.5	70 - 130	
1,2-dimethoxyethane	ND	< 50		205	190	µg/g	107.9	70 - 130	
Triethylamine	ND	< 500		1540	1610	µg/g	95.7	70 - 130	
N,N-dimethylformamide	ND	< 150		434	496	µg/g	87.5	70 - 130	
N,N-dimethylacetamide	ND	< 150		515	483	µg/g	106.6	70 - 130	
Pyridine	ND	< 50		157	167	µg/g	94.0	70 - 130	
Sulfolane	ND	< 50		115	161	µg/g	71.4	70 - 130	



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Revision: 2 Document ID: 7087
Legacy ID: CFL-E33Effective:

QC - Sample Duplicate		Sample ID: 22-014208-0001						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Accept/Fail	Notes
Propane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Isobutane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Butane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2,2-Dimethylpropane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Methanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethylene Oxide	ND	ND	30	µg/g	0.0	< 20	Acceptable	
2-Methylbutane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Pentane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethyl Ether	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2,2-Dimethylbutane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Acetone	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2-Propanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethyl Formate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Acetonitrile	ND	ND	100	µg/g	0.0	< 20	Acceptable	
Methyl Acetate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
2,3-Dimethylbutane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Dichloromethane	ND	ND	60	µg/g	0.0	< 20	Acceptable	
2-Methylpentane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
MTBE	ND	ND	500	µg/g	0.0	< 20	Acceptable	
3-Methylpentane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Hexane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
1-Propanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Methyl ethyl ketone	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Ethyl acetate	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2-Butanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Tetrahydrofuran	ND	ND	100	µg/g	0.0	< 20	Acceptable	
Cyclohexane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2-methyl-1-propanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Benzene	ND	ND	1	µg/g	0.0	< 20	Acceptable	
Isopropyl Acetate	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Heptane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
1-Butanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Propyl Acetate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
1,4-Dioxane	ND	ND	100	µg/g	0.0	< 20	Acceptable	
2-Ethoxyethanol	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Methylisobutylketone	ND	ND	500	µg/g	0.0	< 20	Acceptable	
3-Methyl-1-butanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Ethylene Glycol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Toluene	ND	ND	100	µg/g	0.0	< 20	Acceptable	
Isobutyl Acetate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
1-Pentanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Butyl Acetate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Ethylbenzene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
m,p-Xylene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
o-Xylene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Cumene	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Anisole	ND	ND	500	µg/g	0.0	< 20	Acceptable	
DMSO	ND	ND	500	µg/g	0.0	< 20	Acceptable	
1,2-dimethoxyethane	ND	ND	50	µg/g	0.0	< 20	Acceptable	
Triethylamine	ND	ND	500	µg/g	0.0	< 20	Acceptable	
N,N-dimethylformamide	ND	ND	150	µg/g	0.0	< 20	Acceptable	
N,N-dimethylacetamide	ND	ND	150	µg/g	0.0	< 20	Acceptable	
Pyridine	ND	ND	50	µg/g	0.0	< 20	Acceptable	
Sulfolane	ND	ND	50	µg/g	0.0	< 20	Acceptable	

Abbreviations

ND - None Detected at or above MRL
RPD - Relative Percent Difference
LOQ - Limit of Quantitation

Units of Measure:

µg/g - Microgram per gram or ppm



12423 NE Whitaker Way
Portland, OR 97230
503-254-1794



Report Number: 22-014347/D006.R000
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Received: 11/22/22 13:20





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Explanation of QC Flag Comments:

Code	Explanation
Q	Matrix interferences affecting spike or surrogate recoveries.
Q1	Quality control result biased high. Only non-detect samples reported.
Q2	Quality control outside QC limits. Data considered estimate.
Q3	Sample concentration greater than four times the amount spiked.
Q4	Non-homogenous sample matrix, affecting RPD result and/or % recoveries.
Q5	Spike results above calibration curve.
Q6	Quality control outside QC limits. Data acceptable based on remaining QC.
R	Relative percent difference (RPD) outside control limit.
R1	RPD non-calculable, as sample or duplicate results are less than five times the LOQ.
R2	Sample replicates RPD non-calculable, as only one replicate is within the analytical range.
LOQ1	Quantitation level raised due to low sample volume and/or dilution.
LOQ2	Quantitation level raised due to matrix interference.
B	Analyte detected in method blank, but not in associated samples.
B1	The sample concentration is greater than 5 times the blank concentration.
B2	The sample concentration is less than 5 times the blank concentration.