Columbia LABORATORIES
A Tentamus Company

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

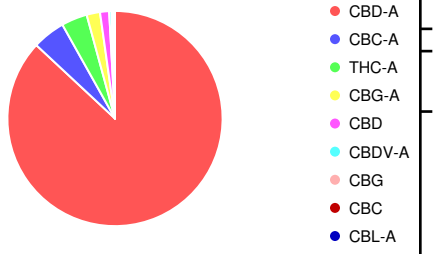
Report Number: 22-014347/D004.R000
Report Date: 12/01/2022
ORELAP#: OR100028
Purchase Order:
Received: 11/22/22 13:20

Customer: IHC LLC
Product identity: Wesley's Wish Live Resin
Client/Metrc ID: .
Laboratory ID: 22-014347-0003

Summary

Potency:

Analyte	Result (%)
CBD-A	62.3
CBC-A	3.53
THC-A	2.79
CBG-A	1.44
CBD	0.979
CBDV-A	0.264
CBG	0.166
CBC	0.117
CBL-A	0.0750



CBD-Total	55.6%
THC-Total	2.45%

(Reported in percent of total sample)

Residual Solvents:

Analyte	Result (µg/g)	Limits (µg/g)	Status
n-Butane	2860		
Butanes (sum)	2860	5000	pass

Pesticides:

All analytes passing and less than LOQ.

Terpenes:

Analyte	Percent by weight	Percent of Total	Analyte	Percent by weight	Percent of Total
ß-Myrcene	5.73	48.56%	a-pinene	2.12	17.97%
(R)-(+)-Limonene	0.789	6.69%	ß-Caryophyllene	0.780	6.61%
(-)-ß-Pinene	0.718	6.08%	Humulene	0.391	3.31%
Terpinolene	0.264	2.24%	trans-ß-Ocimene	0.264	2.24%
(-)-Guaiol	0.221	1.87%	Linalool	0.199	1.69%
(-)-caryophyllene oxide	0.0713	0.60%	(±)-trans-Nerolidol	0.0563	0.48%
(-)-a-Terpineol	0.0523	0.44%	(+)-fenchol	0.0411	0.35%
Camphene	0.0366	0.31%	(+)-Borneol	0.0257	0.22%
a-Bisabolol	0.0210	0.18%	cis-ß-Ocimene	0.0148	0.13%
Total Terpenes	**11.8**	**100.00%**			

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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: Wesley's Wish Live Resin
Client/Metrc ID: .
Sample Date:
Laboratory ID: 22-014347-0003
Evidence of Cooling: No
Temp: 13.1 °C
Relinquished by: Hinton

THE HEMP COLLECT

Sample Results

Potency **Method:** J AOAC 2015 V98-6 (mod)[b] **Units** % **Batch:** 2210142 **Analyze:** 11/29/22 1:37:00 AM

Analyte	As Received	Dry weight	LOQ	Notes
CBC	0.117		0.0724	
CBC-A	3.53		0.0724	
CBC-Total	3.21		0.136	
CBD	0.979		0.0724	
CBD-A	62.3		0.724	
CBD-Total	55.6		0.707	
CBDV	< LOQ		0.0724	
CBDV-A	0.264		0.0724	
CBDV-Total	0.229		0.135	
CBE	< LOQ		0.0724	
CBG	0.166		0.0724	
CBG-A	1.44		0.0724	
CBG-Total	1.43		0.135	
CBL	< LOQ		0.0724	
CBL-A	0.0750		0.0724	
CBL-Total	< LOQ		0.136	
CBN	< LOQ		0.0724	
CBT	< LOQ		0.0724	
Δ10-THC	< LOQ		0.0724	
Δ8-THC	< LOQ		0.0724	
Δ8-THCV	< LOQ		0.0724	
Δ9-THC	< LOQ		0.0724	
exo-THC	< LOQ		0.0724	
THC-A	2.79		0.0724	
THC-Total	2.45		0.136	
THCV	< LOQ		0.0724	
THCV-A	< LOQ		0.0724	
THCV-Total	< LOQ		0.135	
Total Cannabinoids	71.7			

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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)	2860	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	2860		200		E
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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Pesticides **Method:** AOAC 2007.01 & EN 15662 (mod)þ **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	
Bifenazate¥	< 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		Etoxazole¥	< 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	
Imazalil¥	< 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		Paclobutrazole¥	< 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							

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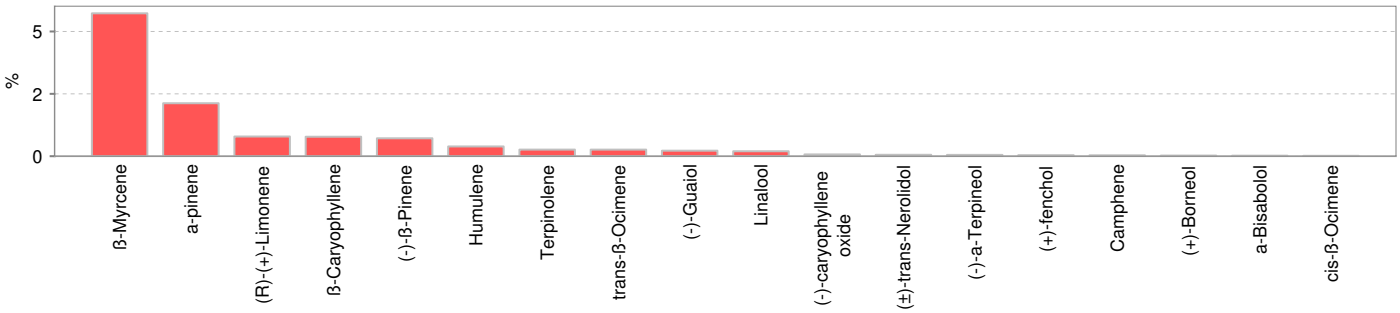
Received: 11/22/22 13:20

Terpenes **Method:** J AOAC 2015 V98-6 **Units** % **Batch** 2210112 **Analyze** 11/24/22 12:44 AM

Analyte	Result	LOQ	% of Total	Notes	Analyte	Result	LOQ	% of Total	Notes
ß-Myrcene	5.73	0.191	48.56%		a-pinene	2.12	0.019	17.97%	
(R)-(+)-Limonene	0.789	0.019	6.686%		ß-Caryophyllene	0.780	0.019	6.610%	
(-)-ß-Pinene	0.718	0.019	6.085%		Humulene	0.391	0.019	3.314%	
Terpinolene	0.264	0.019	2.237%		trans-ß-Ocimene	0.264	0.012	2.237%	
(-)-Guaiol	0.221	0.019	1.873%		Linalool	0.199	0.019	1.686%	
(-)-caryophyllene oxide	0.0713	0.019	0.6042%		(±)-trans-Nerolidol	0.0563	0.019	0.4771%	
(-)-a-Terpineol	0.0523	0.019	0.4432%		(+)-fenchol	0.0411	0.019	0.3483%	
Camphene	0.0366	0.019	0.3102%		(+)-Borneol	0.0257	0.019	0.2178%	
a-Bisabolol	0.0210	0.019	0.1780%		a-phellandrene	< LOQ	0.019	0.00%	
(+)-Cedrol	< LOQ	0.019	0.00%		cis-ß-Ocimene	0.0148	0.006	0.1254%	
a-Terpinene	< LOQ	0.019	0.00%		Eucalyptol	< LOQ	0.019	0.00%	
(±)-Camphor	< LOQ	0.019	0.00%		(-)-Isopulegol	< LOQ	0.019	0.00%	
Sabinene hydrate	< LOQ	0.019	0.00%		(±)-fenchone	< LOQ	0.019	0.00%	
gamma-Terpinene	< LOQ	0.019	0.00%		d-3-Carene	< 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	< LOQ	0.019	0.00%	
Menthol	< LOQ	0.019	0.00%		(±)-cis-Nerolidol	< LOQ	0.019	0.00%	
a-cedrene	< LOQ	0.019	0.00%		farnesene	< LOQ	0.019	0.00%	
Geraniol	< LOQ	0.019	0.00%		Geranyl acetate	< LOQ	0.019	0.00%	
nerol	< LOQ	0.019	0.00%		valencene	< LOQ	0.019	0.00%	
Total Terpenes	**11.8**								



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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.

ᵇ = ISO/IEC 17025:2017 accredited method.
¥ = 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

Glossary of Qualifiers

E: Analyte concentration exceeds the calibration range, results are estimated.

Approved Signatory

Derrick Tanner
General Manager

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Columbia LABORATORIES

Hemp & Cannabis: Usable / Extract / Finished Product
Chain of Custody Record

ORELAP ID: OR100028 ANAB ISO 17025 ID: AT-1508

Document Control ID: 2832 Revision: 5
Effective: 03/04/2022

22-014347

Company: THC, LLC
Contact: Joel@thehempcollect.com
Address: 439 NW Flanders St.
City: Portland State: OR Zip Code: 97209
Email Results: Joel@thehempcollect.com
Ph: (503) 650-0003

Name: _____ Email: _____
Address: _____
City: _____ State: _____ Zip: _____
Ph: (___) _____

Analysis Requested

Lab ID	Client Sample Identification	Sample date	Residual solvents	Pesticides	Terpenes	Potency	Material Type [1]	Weight (units)	Comments/Metrc ID
1	Takilma Kush Live Resin		X	X	X	X		1g	
2	Blue Orchid Live Resin		X	X	X	X		1g	
3	Wesley's Wish Live Resin		X	X	X	X		1g	
4	Live D9 20mg Huckleberry					X		24g	#4 Edible Serving Size: 8g
5	Live D9 20mg Sour Apple					X		24g	#5 Edible Serving Size: 8g

PO Number: _____
Project ID: _____
Batch ID: _____
Sampled by: _____
Custom Reporting: _____

Source Material: ☒ - Ind. Hemp product | ☐ - Rec. Cannabis
Reporting Type: ☐ - Compliance | ☒ - R&D
Report to: ☐ - METRC | ☐ - ODA | ☐ - USDA |
☐ - Other: _____

Turnaround time (TAT - Business Days):
☒ - 5BD | ☐ - 10D* | ☐ - 20D*
*Check for availability

Signature - Relinquished by:	Date	Time	Signature - Received by:	Date	Time
	11/22	12:15	MRM	11/22	12:15
MRM	11/22	12:40		11/22/22	1228

Lab Use Only
☐ Shipped Via: _____ or ☐ Client drop off
Evidence of cooling: ☐ Yes | ☐ No - Temp [°C]: 13.1
Sample in good condition: ☐ Yes | ☐ No _____
Payment: ☐ Cash | ☐ Check | ☐ CC | ☐ Net: _____
Prelog storage: _____

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

Samples collected to Columbia Laboratories with testing requirements constitute an agreement for services in accordance with the [illegible] associated with this COC. By signing "Relinquished by" you are agreeing to these terms.

12423 NE Whitaker Way
Portland, OR 97230

P: (503) 254-1794 | Fax: (503) 254-1452

Page _____ of _____

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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	
Acequinocyl	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	
Clofentezine	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	
Flonicamid	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	
Metalaxyl	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	
Paclobutrazole	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	
Spinosad	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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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	
Acequinocyl	0.000	1.723	1.859	4.000	7.6%	< 30	43.1%	46.5%	50 - 150	Q
Acetamiprid	0.000	0.366	0.381	0.400	4.2%	< 30	91.4%	95.3%	50 - 150	
Aldicarb	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	
Bifenazate	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	
Flonicamid	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	
Metalaxyl	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	
Paclobutrazole	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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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-phelllandrene	<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	
Gereniol	<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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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-phelllandrene	<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	
Gereniol	<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	
Guaiol	<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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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	
CBC	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	
CBC	<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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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:

Columbia LABORATORIES
A Tentamus Company

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

Report Number: 22-014347/D004.R000
Report Date: 12/01/2022
ORELAP#: OR100028
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Received: 11/22/22 13:20

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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
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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	
Methylethylketone	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

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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	Quantitaion 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.