



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



Report Number: 22-009883/D005.R000
Report Date: 08/25/2022
ORELAP#: OR100028
Purchase Order: 2173; 2190
Received: 08/18/22 11:37

Customer: Laurelcrest
Product identity: Yellow Athletics: Sleep Mint Drops BK-22-055
Client/Metric ID: .
Laboratory ID: 22-009883-0002

Summary

Potency:

Analyte	Result	Limits	Units	Status
CBC	0.288		%	
CBD	7.89		%	
CBDV	0.0463		%	
CBE	0.540		%	
CBG	1.16		%	
CBN	1.80		%	
CBT	0.0873		%	
Δ9-THC	0.220		%	

Analyte per 1g	Result	Limits	Units	Status
CBC per 1g	2.88		mg/1g	
CBD per 1g	78.9		mg/1g	
CBDV per 1g	0.463		mg/1g	
CBE per 1g	5.40		mg/1g	
CBG per 1g	11.6		mg/1g	
CBN per 1g	18.0		mg/1g	
CBT per 1g	0.873		mg/1g	
Δ9-THC per 1g	2.20		mg/1g	

CBD-Total per Serving Size	78.9 mg/1g
THC-Total per Serving Size	2.20 mg/1g
(Reported in milligrams per serving)	

Residual Solvents:

All analytes passing and less than LOQ.

Pesticides:

All analytes passing and less than LOQ.

Metals:

Less than LOQ for all analytes.

Microbiology:

Less than LOQ for all analytes.



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Received: 08/18/22 11:37

Customer: Laurelcrest
United States of America (USA)
Product identity: Yellow Athletics: Sleep Mint Drops BK-22-055
Client/Metric ID: .
Sample Date:
Laboratory ID: 22-009883-0002
Evidence of Cooling: No
Temp: 25 °C
Serving Size #1: 1 g

Sample Results

Potency	Method: J AOAC 2015 V98-6 (mod) ^b	Units %	Batch: 2207092	Analyze: 8/22/22 1:34:00 PM	
Analyte	Result	Limits	Units	LOQ	Notes
CBC	0.288		%	0.00327	
CBC-A	< LOQ		%	0.00327	
CBC-Total	0.288		%	0.00613	
CBD	7.89		%	0.0327	
CBD-A	< LOQ		%	0.00327	
CBD-Total	7.89		%	0.0355	
CBDV	0.0463		%	0.00327	
CBDV-A	< LOQ		%	0.00327	
CBDV-Total	0.0463		%	0.00610	
CBE	0.540		%	0.00327	
CBG	1.16		%	0.0327	
CBG-A	< LOQ		%	0.00327	
CBG-Total	1.16		%	0.0355	
CBL	< LOQ		%	0.00327	
CBL-A	< LOQ		%	0.00327	
CBL-Total	< LOQ		%	0.00613	
CBN	1.80		%	0.0327	
CBT	0.0873		%	0.00327	
Δ8-THCV	< LOQ		%	0.00327	
Δ8-THC	< LOQ		%	0.00327	
Δ9-THC	0.220		%	0.00327	
exo-THC	< LOQ		%	0.00327	
THC-A	< LOQ		%	0.00327	
THC-Total	0.220		%	0.00613	
THCV	< LOQ		%	0.00327	
THCV-A	< LOQ		%	0.00327	
THCV-Total	< LOQ		%	0.00610	
Total Cannabinoids	12.0		%		

Potency per 1g	Method: J AOAC 2015 V98-6 (mod) ^b	Units mg/se	Batch: 2207092	Analyze: 8/22/22 1:34:00 PM	
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 1g	2.88		mg/1g	0.0327	
CBC-A per 1g	< LOQ		mg/1g	0.0327	



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Potency per 1g Method: J AOAC 2015 V98-6 (mod)^b Units mg/se Batch: 2207092 Analyze: 8/22/22 1:34:00 PM

Analyte	Result	Limits	Units	LOQ	Notes
CBC-Total per 1g	2.88		mg/1g	0.0613	
CBD per 1g	78.9		mg/1g	0.327	
CBD-A per 1g	< LOQ		mg/1g	0.0327	
CBD-Total per 1g	78.9		mg/1g	0.355	
CBDV per 1g	0.463		mg/1g	0.0327	
CBDV-A per 1g	< LOQ		mg/1g	0.0327	
CBDV-Total per 1g	0.463		mg/1g	0.0610	
CBE per 1g	5.40		mg/1g	0.0327	
CBG per 1g	11.6		mg/1g	0.327	
CBG-A per 1g	< LOQ		mg/1g	0.0327	
CBG-Total per 1g	11.6		mg/1g	0.355	
CBL per 1g	< LOQ		mg/1g	0.0327	
CBL-A per 1g	< LOQ		mg/1g	0.0327	
CBL-Total per 1g	< LOQ		mg/1g	0.0613	
CBN per 1g	18.0		mg/1g	0.327	
CBT per 1g	0.873		mg/1g	0.0327	
Δ8-THCV per 1g	< LOQ		mg/1g	0.0327	
Δ8-THC per 1g	< LOQ		mg/1g	0.0327	
Δ9-THC per 1g	2.20		mg/1g	0.0327	
exo-THC per 1g	< LOQ		mg/1g	0.0327	
THC-A per 1g	< LOQ		mg/1g	0.0327	
THC-Total per 1g	2.20		mg/1g	0.0613	
THCV per 1g	< LOQ		mg/1g	0.0327	
THCV-A per 1g	< LOQ		mg/1g	0.0327	
THCV-Total per 1g	< LOQ		mg/1g	0.0613	
Total Cannabinoids per 1g	120		mg/1g		

Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Aerobic Plate Count	< LOQ		cfu/g	10	2207018	08/21/22 AOAC 990.12 (Petrifilm) ^P		
E.coli	< LOQ		cfu/g	10	2207016	08/21/22 AOAC 991.14 (Petrifilm) ^P		
Total Coliforms	< LOQ		cfu/g	10	2207016	08/21/22 AOAC 991.14 (Petrifilm) ^P		
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2207017	08/22/22 AOAC 2014.05 (RAPID) ^P		
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2207017	08/22/22 AOAC 2014.05 (RAPID) ^P		



Solvents											Method: Residual Solvents by GC/MS ^b					Units µg/g		Batch 2207131		Analyze 08/24/22 11:36 AM			
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes						
1-Butanol	< LOQ	5000	500	pass		1-Pentanol	< LOQ	5000	500	pass		1-Pentanol	< LOQ	5000	500	pass							
1,1-Dichloroethane	< LOQ		1.00			1,2-Dichloroethane	< LOQ		1.00			1,2-Dichloroethane	< LOQ		1.00								
1,2-Dimethoxyethane	< LOQ		50.0			1,4-Dioxane	< LOQ	380	100	pass		1,4-Dioxane	< LOQ	380	100	pass							
2-Butanol	< LOQ	5000	200	pass		2-Ethoxyethanol	< LOQ	160	30.0	pass		2-Ethoxyethanol	< LOQ	160	30.0	pass							
2-methyl-1-propanol	< LOQ		500			2-Methylbutane (Isopentane)	< LOQ		200			2-Methylbutane (Isopentane)	< LOQ		200								
2-Methylpentane	< LOQ		30.0			2-Propanol (IPA)	< LOQ	5000	200	pass		2-Propanol (IPA)	< LOQ	5000	200	pass							
2,2-Dimethylbutane	< LOQ		30.0			2,2-Dimethylpropane (neo-pentane)	< LOQ		200			2,2-Dimethylpropane (neo-pentane)	< LOQ		200								
2,3-Dimethylbutane	< LOQ		30.0			3-Methyl-(1)-Butanol	< LOQ		500			3-Methyl-(1)-Butanol	< LOQ		500								
3-Methylpentane	< LOQ		30.0			Acetic Acid	< LOQ		250			Acetic Acid	< LOQ		250								
Acetone	< LOQ	5000	200	pass		Acetonitrile	< LOQ	410	100	pass		Acetonitrile	< LOQ	410	100	pass							
Anisole	< LOQ		500			Benzene	< LOQ	2.00	1.00	pass		Benzene	< LOQ	2.00	1.00	pass							
Butanes (sum)	< LOQ	5000	400	pass		Butyl acetate	< LOQ		500			Butyl acetate	< LOQ		500								
Chloroform	< LOQ		1.00			Cyclohexane	< LOQ	3880	200	pass		Cyclohexane	< LOQ	3880	200	pass							
DMSO	< LOQ	5000	500	pass		Ethanol	< LOQ		200			Ethanol	< LOQ		200								
Ethyl acetate	< LOQ	5000	200	pass		Ethyl benzene	< LOQ		200			Ethyl benzene	< LOQ		200								
Ethyl ether	< LOQ	5000	200	pass		Ethyl Formate	< LOQ		500			Ethyl Formate	< LOQ		500								
Ethylene glycol	< LOQ	620	200	pass		Ethylene oxide	< LOQ	50.0	1.00	pass		Ethylene oxide	< LOQ	50.0	1.00	pass							
Formic Acid	< LOQ		250			Hexanes (sum)	< LOQ	290	150	pass		Hexanes (sum)	< LOQ	290	150	pass							
Isobutyl acetate	< LOQ	5000	500	pass		Isopropyl acetate	< LOQ	5000	200	pass		Isopropyl acetate	< LOQ	5000	200	pass							
Isopropylbenzene (Cumene)	< LOQ	70.0	30.0	pass		m,p-Xylene	< LOQ		200			m,p-Xylene	< LOQ		200								
Methanol	< LOQ	3000	200	pass		Methyl-t-butyl ether	< LOQ		500			Methyl-t-butyl ether	< LOQ		500								
Methylacetat	< LOQ		500			Methylene chloride	< LOQ	600	1.00	pass		Methylene chloride	< LOQ	600	1.00	pass							
Methylethylketone	< LOQ		500			Methylisobutylketone	< LOQ		500			Methylisobutylketone	< LOQ		500								
Methylpropane (Isobutane)	< LOQ		200			n-Butane	< LOQ		200			n-Butane	< LOQ		200								
n-Heptane	< LOQ	5000	200	pass		n-Hexane	< LOQ		30.0			n-Hexane	< LOQ		30.0								
n-Pentane	< LOQ		200			n-Propanol	< LOQ		500			n-Propanol	< LOQ		500								
N,N-dimethylacetamide	< LOQ	1090	200	pass		N,N-dimethylformamide	< LOQ		200			N,N-dimethylformamide	< LOQ		200								
o-Xylene	< LOQ		200			Pentanes (sum)	< LOQ	5000	600	pass		Pentanes (sum)	< LOQ	5000	600	pass							
Propane	< LOQ	5000	200	pass		Propyl Acetate	< LOQ		500			Propyl Acetate	< LOQ		500								
Pyridine	< LOQ	200	50.0	pass		Sulfolane	< LOQ	160	50.0	pass		Sulfolane	< LOQ	160	50.0	pass							
Tetrahydrofuran	< LOQ	720	100	pass		Toluene	< LOQ	890	100	pass		Toluene	< LOQ	890	100	pass							
Total Residual Solvents	< LOQ		5,000			Total Xylenes	< LOQ		400			Total Xylenes	< LOQ		400								
Total Xylenes and Ethyl benzene	< LOQ	2170	600	pass		Trichloroethylene	< LOQ		1.00			Trichloroethylene	< LOQ		1.00								
Triethylamine	< LOQ		500																				



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Pesticides											
Method: AOAC 2007.01 & EN 15662 (mod)					Units mg/kg		Batch 2207103		Analyze 08/23/22 08:54 AM		
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Abamectin	< LOQ	0.50	0.070	pass		Acephate	< LOQ	0.40	0.020	pass	
Acequinocyl	< LOQ	2.0	0.025	pass		Acetamidrid	< LOQ	0.20	0.050	pass	
Aldicarb	< LOQ	0.40	0.100	pass		Allethrin	< LOQ		0.100		
Atrazine	< LOQ		0.025			Azadirachtin	< LOQ		0.500		
Azoxystrobin	< LOQ	0.20	0.010	pass		Benzovindiflupyr	< LOQ		0.010		
Bifenazate	< LOQ	0.20	0.010	pass		Bifenthrin	< LOQ	0.20	0.100	pass	
Boscalid	< LOQ	0.40	0.010	pass		Buprofezin	< LOQ		0.010		
Captan	< LOQ		0.700			Carbaryl	< LOQ	0.20	0.025	pass	
Carbofuran	< LOQ	0.20	0.010	pass		Chlorantraniliprole	< LOQ	0.20	0.010	pass	
Chlordane (cis+trans)	< LOQ		0.100			Chlorfenapyr	< LOQ	1.0	0.100	pass	
Chlorpyrifos	< LOQ	0.20	0.010	pass		Clofentezine	< LOQ	0.20	0.010	pass	
Clothianidin	< LOQ		0.025			Coumaphos	< LOQ		0.010		
Cyantraniliprole	< LOQ		0.010			Cyfluthrin	< LOQ	1.0	0.400	pass	
Cyhalothrin,lambda	< LOQ		0.250			Cypermethrin	< LOQ	1.0	0.300	pass	
Cyprodinil	< LOQ		0.010			Daminozide	< LOQ	1.0	0.050	pass	
Deltamethrin	< LOQ		0.500			Diazinon	< LOQ	0.20	0.010	pass	
Dichlorvos	< LOQ	1.0	0.050	pass		Dimethoate	< LOQ	0.20	0.010	pass	
Dimethomorph	< LOQ		0.050			Dinotefuran	< LOQ		0.050		
Diuron	< LOQ		0.125			Dodemorph	< LOQ		0.050		
Endosulfan I (alpha)	< LOQ		0.050			Endosulfan II (beta)	< LOQ		0.050		
Endosulfan sulfate	< LOQ		0.050			Ethoprophos	< LOQ	0.20	0.010	pass	
Etofenprox	< LOQ	0.40	0.010	pass		Etoxazole	< LOQ	0.20	0.010	pass	
Etridiazole	< LOQ		0.050			Fenhexamid	< LOQ		0.100		
Fenoxycarb	< LOQ	0.20	0.010	pass		Fenpyroximate	< LOQ	0.40	0.020	pass	
Fensulfothion	< LOQ		0.010			Fenthion	< LOQ		0.010		
Fenvalerate	< LOQ		0.200			Fipronil	< LOQ	0.40	0.010	pass	
Flonicamid	< LOQ	1.0	0.025	pass		Fludioxonil	< LOQ	0.40	0.010	pass	
Fluopyram	< LOQ		0.010			Hexythiazox	< LOQ	1.0	0.010	pass	
Imazalil	< LOQ	0.20	0.010	pass		Imidacloprid	< LOQ	0.40	0.010	pass	
Iprodione	< LOQ		0.500			Kinoprene	< LOQ		0.050		
Kresoxim-methyl	< LOQ	0.40	0.010	pass		Malathion	< LOQ	0.20	0.010	pass	
Metalaxyl	< LOQ	0.20	0.010	pass		Methiocarb	< LOQ	0.20	0.010	pass	
Methomyl	< LOQ	0.40	0.025	pass		Methoprene	< LOQ		1.00		
Mevinphos	< LOQ		0.025			MGK-264	< LOQ	0.20	0.050	pass	
Myclobutanil	< LOQ	0.20	0.010	pass		Naled	< LOQ	0.50	0.100	pass	
Novaluron	< LOQ		0.025			Oxamyl	< LOQ	1.0	0.500	pass	
Paclobutrazole	< LOQ	0.40	0.010	pass		Parathion-Methyl	< LOQ	0.20	0.030	pass	
Permethrin	< LOQ	0.20	0.040	pass		Phenothrin	< LOQ		0.025		
Phosmet	< LOQ	0.20	0.010	pass		Piperonyl butoxide	< LOQ	2.0	0.200	pass	
Pirimicarb	< LOQ		0.010			Prallethrin	< LOQ	0.20	0.050	pass	
Propiconazole	< LOQ	0.40	0.010	pass		Propoxur	< LOQ	0.20	0.010	pass	
Pyraclostrobin	< LOQ		0.010			Pyrethrins (total)	< LOQ		0.025		
Pyridaben	< LOQ	0.20	0.020	pass		Pyriproxyfen	< LOQ		0.010		
Quintozene	< LOQ		0.020			Resmethrin	< LOQ		0.020		
Spinetoram	< LOQ		0.010			Spinosad	< LOQ	0.20	0.010	pass	
Spirodiclofen	< LOQ	0.20	0.250	pass		Spiromesifen	< LOQ	0.20	0.030	pass	



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Pesticides											
Method: AOAC 2007.01 & EN 15662 (mod)						Units mg/kg	Batch 2207103	Analyze 08/23/22 08:54 AM			
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Spirotetramat	< LOQ	0.20	0.010	pass		Spiroxamine	< LOQ	0.40	0.010	pass	
Tebuconazole	< LOQ	0.40	0.010	pass		Tebufenozide	< LOQ		0.010		
Teflubenzuron	< LOQ		0.025			Tetrachlorvinphos	< LOQ		0.010		
Tetramethrin	< LOQ		0.050			Thiabendazole	< LOQ		0.020		
Thiacloprid	< LOQ	0.20	0.010	pass		Thiamethoxam	< LOQ	0.20	0.010	pass	
Thiophanate-Methyl	< LOQ		0.030			Trifloxystrobin	< LOQ	0.20	0.010	pass	

Metals										
Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method		Status	Notes	
Arsenic	< LOQ	0.200	mg/kg	0.0944	2207133	08/23/22	AOAC 2013.06 (mod.) ^P	pass		
Cadmium	< LOQ	0.200	mg/kg	0.0944	2207133	08/23/22	AOAC 2013.06 (mod.) ^P	pass		
Lead	< LOQ	0.500	mg/kg	0.0944	2207133	08/23/22	AOAC 2013.06 (mod.) ^P	pass		
Mercury	< LOQ	0.100	mg/kg	0.0472	2207133	08/23/22	AOAC 2013.06 (mod.) ^P	pass		

Mycotoxins										
Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method		Status	Notes	
Aflatoxin B2 [‡]	< LOQ		µg/kg	5.00	2207083	08/22/22	AOAC 2007.01 & EN 15662 (mod) ^P			
Aflatoxin B1 [‡]	< LOQ		µg/kg	5.00	2207083	08/22/22	AOAC 2007.01 & EN 15662 (mod) ^P			
Aflatoxin G1 [‡]	< LOQ		µg/kg	5.00	2207083	08/22/22	AOAC 2007.01 & EN 15662 (mod) ^P			
Aflatoxin G2 [‡]	< LOQ		µg/kg	5.00	2207083	08/22/22	AOAC 2007.01 & EN 15662 (mod) ^P			
Ochratoxin A [‡]	< LOQ	20.0	µg/kg	5.00	2207083	08/22/22	AOAC 2007.01 & EN 15662 (mod) ^P	pass		
Total Aflatoxins [‡]	0.000	20.0	µg/kg	20.0		08/25/22	AOAC 2007.01 & EN 15662 (mod) ^P	pass		



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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.

Ⓟ = ISO/IEC 17025:2017 accredited method.

* = TNI accredited analyte.

Units of Measure

cfu/g = Colony forming units per gram

g = g

µg/g = Microgram per gram

µg/kg = Micrograms per kilogram = parts per billion (ppb)

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

mg/1g = Milligram per 1g

% = Percentage of sample

% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner
General Manager



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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: OR100028 ANAB ISO 17025 ID: AT-1508

Company: <u>LAURELCREST</u> Contact: <u>Seth Singer</u> Address: <u>1270 NE ALPHA DRIVE</u> City: <u>MCMINNVILLE</u> State: <u>OR</u> Zip Code: <u>97128</u> <input checked="" type="checkbox"/> Email Results: <u>testing@laurelcrest.com & PORTAL (henry@laurelcrest.</u> <input type="checkbox"/> Ph: () - _____ <i>Billing Contact (if different)</i> Name: <u>CREDIT CARD ON FILE</u> Email: _____ Address: _____ City: _____ State: _____ Zip: _____ Ph: () - _____			Analysis Requested <table border="1"> <tr> <td>Potency Basic (H0014)</td> <td>Potency ADCs (H0015)</td> <td>Potency Expanded (H0010)</td> <td>Pesticides CANAM (P2140)</td> <td>Solvents CANAM (H0024)</td> <td>Mycotoxins (H0042)</td> <td>Heavy Metals (H0013)</td> <td>Micro Profile D (M1010)</td> <td>CDPHE Micro Profile (M7000)</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>								Potency Basic (H0014)	Potency ADCs (H0015)	Potency Expanded (H0010)	Pesticides CANAM (P2140)	Solvents CANAM (H0024)	Mycotoxins (H0042)	Heavy Metals (H0013)	Micro Profile D (M1010)	CDPHE Micro Profile (M7000)										PO Number: <u>2173 ; 2190</u> Project ID: _____ Batch ID: _____ Sampled by: <u>Seth Singer</u> 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* <i>*Check for availability</i>	
Potency Basic (H0014)	Potency ADCs (H0015)	Potency Expanded (H0010)	Pesticides CANAM (P2140)	Solvents CANAM (H0024)	Mycotoxins (H0042)	Heavy Metals (H0013)	Micro Profile D (M1010)	CDPHE Micro Profile (M7000)																						
Lab ID	Client Sample Identification	Sample date	Potency Basic (H0014)	Potency ADCs (H0015)	Potency Expanded (H0010)	Pesticides CANAM (P2140)	Solvents CANAM (H0024)	Mycotoxins (H0042)	Heavy Metals (H0013)	Micro Profile D (M1010)	CDPHE Micro Profile (M7000)	Material Type †	Weight (Units)	Comments/Metric ID																
	Yellow Athletics: Daytime Citrus Drops BK-22-054	08/12/22		✓		✓	✓	✓	✓	✓		T		Please combine with Potency Results for samples:																
	Yellow Athletics: Sleep Mint Drops BK-22-055	08/15/22		✓		✓	✓	✓	✓	✓		T																		
	Remediated HCC BK-22-061	08/12/22		✓								C		X _____																
	Remediated HCC BK-22-062	08/12/22		✓								C		X _____																
														Reporting Requests:																
														Specifications:																
Signature - Relinquished By:			Date	Time	Signature - Received By:			Date	Time	Lab Use Only:																				
Seth Singer			08/17/22	1:40pm				8/18/22	11:37	<input type="checkbox"/> Shipped Via: _____ or <input type="checkbox"/> Client drop off Evidence of cooling: <input type="checkbox"/> Yes <input type="checkbox"/> No - Temp (°C): <u>12.0</u> Sample in good condition: <input type="checkbox"/> Yes <input type="checkbox"/> No Payment: <input type="checkbox"/> Cash <input type="checkbox"/> Check <input type="checkbox"/> CC <input type="checkbox"/> Net: _____ Prelog storage: _____																				
			8/18/22	13:11				8/18/22	13:30																					

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

Samples submitted to Columbia Laboratories with testing requirements constitute an agreement for services in accordance with the CURRENT TERMS OF SERVICE associated with this COC. By signing "Relinquished by", you are agreeing to these terms

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503-254-1794



Report Number: 22-009883/D005.R000
Report Date: 08/25/2022
ORELAP#: OR100028
Purchase Order: 2173; 2190
Received: 08/18/22 11:37

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

Laboratory Quality Control Results

J AOAC 2015 V98-6									
Laboratory Control Sample									
Batch ID: 2207092									
Analyte	LCS	Result	Spike	Units	% Rec	Limits		Evaluation	Notes
CBDVA	1	0.0352	0.033	%	106	80.0	- 120	Acceptable	
CBDV	1	0.0393	0.033	%	118	80.0	- 120	Acceptable	
CBE	1	0.0347	0.033	%	104	80.0	- 120	Acceptable	
CBDA	1	0.0329	0.032	%	103	90.0	- 110	Acceptable	
CBGA	1	0.0327	0.032	%	102	80.0	- 120	Acceptable	
CBG	1	0.0351	0.034	%	104	80.0	- 120	Acceptable	
CBD	1	0.0351	0.033	%	105	90.0	- 110	Acceptable	
THCV	1	0.0354	0.033	%	106	80.0	- 120	Acceptable	
d8THCV	1	0.0361	0.033	%	108	80.0	- 120	Acceptable	
THCVA	1	0.0332	0.033	%	99.6	80.0	- 120	Acceptable	
CBN	1	0.0360	0.034	%	105	90.0	- 110	Acceptable	
exo-THC	1	0.0351	0.033	%	105	80.0	- 120	Acceptable	
d9THC	1	0.0374	0.037	%	101	90.0	- 110	Acceptable	
d8THC	1	0.0338	0.033	%	101	90.0	- 110	Acceptable	
CBL	1	0.0332	0.033	%	99.7	80.0	- 120	Acceptable	
CBC	1	0.0357	0.033	%	107	80.0	- 120	Acceptable	
THCA	1	0.0319	0.032	%	101	90.0	- 110	Acceptable	
CBCA	1	0.0354	0.033	%	106	80.0	- 120	Acceptable	
CBLA	1	0.0363	0.033	%	109	80.0	- 120	Acceptable	
CBT	1	0.0372	0.033	%	112	80.0	- 120	Acceptable	

Method Blank						
Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<LOQ	0.003	%	< 0.003	Acceptable	
CBDV	<LOQ	0.003	%	< 0.003	Acceptable	
CBE	<LOQ	0.003	%	< 0.003	Acceptable	
CBDA	<LOQ	0.003	%	< 0.003	Acceptable	
CBGA	<LOQ	0.003	%	< 0.003	Acceptable	
CBG	<LOQ	0.003	%	< 0.003	Acceptable	
CBD	<LOQ	0.003	%	< 0.003	Acceptable	
THCV	<LOQ	0.003	%	< 0.003	Acceptable	
d8THCV	<LOQ	0.003	%	< 0.003	Acceptable	
THCVA	<LOQ	0.003	%	< 0.003	Acceptable	
CBN	<LOQ	0.003	%	< 0.003	Acceptable	
exo-THC	<LOQ	0.003	%	< 0.003	Acceptable	
d9THC	<LOQ	0.003	%	< 0.003	Acceptable	
d8THC	<LOQ	0.003	%	< 0.003	Acceptable	
CBL	<LOQ	0.003	%	< 0.003	Acceptable	
CBC	<LOQ	0.003	%	< 0.003	Acceptable	
THCA	<LOQ	0.003	%	< 0.003	Acceptable	
CBCA	<LOQ	0.003	%	< 0.003	Acceptable	
CBLA	<LOQ	0.003	%	< 0.003	Acceptable	
CBT	<LOQ	0.003	%	< 0.003	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: 2207092						
Sample Duplicate		Sample ID: 22-009862-0001						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBDV	0.0898	0.0909	0.003	%	1.23	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBD	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBDV	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBD	18.7	18.9	0.003	%	0.735	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBN	0.104	0.105	0.003	%	0.692	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
d9THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBC	0.138	0.138	0.003	%	0.0299	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBCA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBT	0.218	0.219	0.003	%	0.545	< 20	Acceptable	

Abbreviations

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

Units of Measure:



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Laboratory Pesticide Quality Control Results

AOAC 2007.01 & EN 15662		Group	1	Units:	mg/Kg	Batch ID: 2207103			
Method Blank					Laboratory Control Sample				
Analyte	Inst.	Result	LOQ	Notes	Result	Spike	% Rec	Limits	Notes
Chlorfane (cis+trans)	GC	0.000	0.100		0.505	0.400	126%	70 - 130	
Endosulfan I (alpha)	GC	0.010	0.050		0.125	0.100	125%	70 - 130	
Endosulfan II (beta)	GC	0.015	0.050		0.126	0.100	126%	70 - 130	
Etridiazole	GC	0.000	0.050		0.098	0.100	98%	70 - 130	
Kinoprene	GC	0.000	0.050		0.526	0.400	132%	70 - 130	Q1
Metolachlor	GC	0.010	0.100		0.240	0.200	120%	70 - 130	
Quintozene	GC	0.000	0.050		0.043	0.040	107%	70 - 130	
THPI (Captan Indicator)	GC	0.000	0.700		1.659	1.400	119%	70 - 130	
Abamectin	LC	0.000	0.070		0.362	0.280	129%	70 - 130	
Acephate	LC	0.000	0.020		0.100	0.080	126%	70 - 130	
Acequinocyl	LC	0.000	0.025		0.105	0.100	105%	70 - 130	
Acetamiprid	LC	0.000	0.050		0.251	0.200	125%	70 - 130	
Aldicarb	LC	0.000	0.100		0.555	0.400	139%	70 - 130	Q1
Azinethrin	LC	0.000	0.100		0.604	0.400	151%	70 - 130	Q1
Atrazine	LC	0.000	0.025		0.116	0.100	116%	70 - 130	
Azadirachtin	LC	0.000	0.500		2.635	2.000	132%	70 - 130	Q1
Azoxystrobin	LC	0.000	0.010		0.052	0.040	130%	70 - 130	Q1
Benzovindiflupyr	LC	0.000	0.010		0.051	0.040	127%	70 - 130	
Bifenazate	LC	0.000	0.010		0.050	0.040	125%	70 - 130	
Boscalid	LC	0.000	0.100		0.381	0.400	95%	70 - 130	
Buprofezin	LC	0.000	0.010		0.058	0.040	145%	70 - 130	Q1
Bifenthrin	LC	0.000	0.010		0.053	0.040	133%	70 - 130	Q1
Carbaryl	LC	0.000	0.025		0.123	0.100	123%	70 - 130	
Carburethran	LC	0.000	0.010		0.047	0.040	117%	70 - 130	
Chlorantraniliprole	LC	0.000	0.010		0.053	0.040	132%	70 - 130	Q1
Chlorfenapyr	LC	0.000	0.050		0.547	0.400	137%	70 - 130	Q1
Chlorpyrifos	LC	0.000	0.010		0.044	0.040	110%	70 - 130	
Clofentezine	LC	0.000	0.010		0.052	0.040	130%	70 - 130	
Clothianidin	LC	0.000	0.025		0.144	0.100	144%	70 - 130	Q1
Coumaphos	LC	0.000	0.010		0.051	0.040	129%	70 - 130	
Cyantraniliprole	LC	0.000	0.010		0.049	0.040	123%	70 - 130	
Cyfluthrin	LC	0.000	0.400		0.700	0.800	88%	70 - 130	
Cyhalothrin, Lambda	LC	0.000	0.250		0.985	1.000	98%	70 - 130	
Cypermethrin	LC	0.000	0.300		1.222	1.200	102%	70 - 130	
Cyprodinil	LC	0.000	0.010		0.048	0.040	121%	70 - 130	
Daminozide	LC	0.000	0.050		0.245	0.200	122%	70 - 130	
Deltamethrin	LC	0.000	0.500		3.849	4.000	96%	70 - 130	
Diazinon	LC	0.000	0.010		0.052	0.040	129%	70 - 130	
Dichlorvos	LC	0.000	0.050		0.258	0.200	129%	70 - 130	
Dimethoate	LC	0.000	0.010		0.053	0.040	132%	70 - 130	Q1
Dimethomorph	LC	0.000	0.050		0.288	0.200	144%	70 - 130	Q1
Dimoteturon	LC	0.000	0.050		0.254	0.200	127%	70 - 130	
Diuron	LC	0.000	0.125		0.537	0.500	107%	70 - 130	
Dodemorph	LC	0.000	0.050		0.265	0.200	132%	70 - 130	Q1
Endosulfan sulfate	LC	0.000	0.050		0.290	0.200	145%	70 - 130	Q1
Ethoprophos	LC	0.000	0.010		0.051	0.040	126%	70 - 130	
Etofenprox	LC	0.000	0.010		0.041	0.040	104%	70 - 130	
Etoxazole	LC	0.000	0.010		0.047	0.040	118%	70 - 130	
Fenhexamid	LC	0.000	0.100		0.511	0.400	128%	70 - 130	
Fenoxycarb	LC	0.000	0.010		0.054	0.040	135%	70 - 130	Q1
Fenpyroximate	LC	0.000	0.020		0.090	0.080	112%	70 - 130	
Fensulfthion	LC	0.000	0.010		0.058	0.040	145%	70 - 130	Q1
Fenthion	LC	0.000	0.010		0.056	0.040	141%	70 - 130	Q1
Fenvalerate	LC	0.000	0.200		0.405	0.400	101%	70 - 130	
Pipronil	LC	0.000	0.010		0.062	0.040	154%	70 - 130	Q1
Piconicamid	LC	0.000	0.025		0.128	0.100	128%	70 - 130	
Fludioxonil	LC	0.000	0.010		0.055	0.040	139%	70 - 130	Q1



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Laboratory Pesticide Quality Control Results

AOAC 2007.01 & EN 15662		Group	1	Units:	mg/kg	Batch ID:			2207103	
Matrix Spike/Matrix Spike Duplicate Recoveries		Sample ID: 22-009958-0001								
Analyte	Inst.	Result	MS Res	MSD Res	Spike	RPD%	MS % Rec	MSD % Rec	Limits	Notes
Chloridane (cis+trans)	GC	0.000	0.424	0.374	0.400	12.3%	106%	94%	50 - 150	
Endosulfan I (alpha)	GC	0.033	0.149	0.143	0.100	5.2%	116%	110%	50 - 150	
Endosulfan II (beta)	GC	0.000	0.113	0.091	0.100	21.6%	113%	91%	50 - 150	
Ethionazole	GC	0.000	0.073	0.079	0.100	9.0%	73%	79%	50 - 150	
Knoprene	GC	0.000	2.669	2.846	0.400	6.4%	667%	711%	50 - 150	Q
Metolachlor	GC	0.000	0.249	0.231	0.200	7.8%	123%	115%	50 - 150	
Quintozene	GC	0.000	0.017	0.013	0.040	27.9%	44%	33%	50 - 150	Q
TRPI (Captan Indicator)	GC	0.000	0.844	0.942	1.400	11.0%	60%	67%	50 - 150	
Abamectin	LC	0.000	0.359	0.348	0.280	3.2%	128%	124%	50 - 150	
Acephate	LC	0.010	0.103	0.099	0.080	4.9%	116%	111%	50 - 150	
Acequinocyl	LC	0.005	0.121	0.115	0.100	4.8%	115%	110%	50 - 150	
Acetamiprid	LC	0.000	0.272	0.257	0.200	5.4%	136%	129%	50 - 150	
Aldicarb	LC	0.000	0.568	0.543	0.400	4.4%	142%	136%	50 - 150	
Allethrin	LC	0.023	0.636	0.651	0.400	2.3%	153%	157%	50 - 150	Q
Atrazine	LC	0.004	0.132	0.127	0.100	3.7%	128%	124%	50 - 150	
Azadirachtin	LC	0.000	2.608	2.373	2.000	9.4%	130%	119%	50 - 150	
Azoxystrobin	LC	0.001	0.051	0.049	0.040	4.6%	127%	121%	50 - 150	
Benzovindiflupyr	LC	0.000	0.053	0.050	0.040	5.7%	132%	124%	50 - 150	
Bifenthrin	LC	0.000	0.056	0.054	0.040	3.0%	140%	136%	50 - 150	
Bifenthrin	LC	0.024	0.471	0.440	0.400	7.1%	112%	104%	50 - 150	
Boscalid	LC	0.000	0.058	0.060	0.040	3.6%	144%	149%	50 - 150	
Buprofezin	LC	0.002	0.050	0.050	0.040	1.5%	122%	120%	50 - 150	
Carbaryl	LC	0.000	0.132	0.125	0.100	5.6%	132%	125%	50 - 150	
Carburetan	LC	0.001	0.052	0.053	0.040	0.7%	128%	129%	50 - 150	
Chlorantraniliprole	LC	0.000	0.063	0.057	0.040	9.2%	158%	144%	50 - 150	Q
Chlorfenapyr	LC	0.000	0.516	0.417	0.400	21.2%	129%	104%	50 - 150	
Chlorpyrifos	LC	0.003	0.050	0.049	0.040	2.9%	118%	114%	50 - 150	
Clofentezine	LC	0.000	0.052	0.051	0.040	2.2%	131%	128%	50 - 150	
Clothianidin	LC	0.000	0.139	0.137	0.100	1.2%	139%	137%	50 - 150	
Coumaphos	LC	0.001	0.060	0.061	0.040	1.4%	147%	149%	50 - 150	
Cyantraniliprole	LC	0.000	0.054	0.050	0.040	6.7%	134%	125%	50 - 150	
Cyfluthrin	LC	0.044	0.995	1.000	0.800	0.5%	119%	120%	50 - 150	
Cyhalothrin, Lambda	LC	0.080	1.233	1.218	1.000	1.3%	115%	114%	50 - 150	
Cypermethrin	LC	0.074	1.505	1.418	1.200	6.3%	119%	112%	50 - 150	
Cyprodinil	LC	0.004	0.054	0.053	0.040	1.9%	127%	124%	50 - 150	
Daminozide	LC	0.000	0.250	0.215	0.200	15.0%	125%	108%	50 - 150	
Deltamethrin	LC	0.377	4.721	4.576	4.000	3.4%	109%	105%	50 - 150	
Diazinon	LC	0.000	0.053	0.050	0.040	7.1%	133%	124%	50 - 150	
Dichlorvos	LC	0.012	0.270	0.263	0.200	2.9%	129%	126%	50 - 150	
Dimethoate	LC	0.000	0.056	0.052	0.040	8.2%	140%	129%	50 - 150	
Dimethomorph	LC	0.000	0.295	0.284	0.200	4.0%	148%	142%	50 - 150	
Dimoteturon	LC	0.007	0.280	0.265	0.200	5.7%	137%	129%	50 - 150	
Diuron	LC	0.000	0.627	0.592	0.500	5.8%	125%	118%	50 - 150	
Dodemorph	LC	0.000	0.252	0.245	0.200	2.7%	126%	123%	50 - 150	
Endosulfan sulfate	LC	0.000	0.419	0.441	0.200	5.1%	210%	220%	50 - 150	Q
Ethionphos	LC	0.001	0.052	0.050	0.040	3.9%	128%	123%	50 - 150	
Etofenprox	LC	0.006	0.048	0.047	0.040	0.3%	103%	103%	50 - 150	
Etoxazole	LC	0.002	0.050	0.049	0.040	2.1%	120%	117%	50 - 150	
Fenhexamid	LC	0.024	0.617	0.617	0.400	0.1%	148%	148%	50 - 150	
Fenoxycarb	LC	0.000	0.058	0.055	0.040	5.2%	144%	137%	50 - 150	
Fenpyroximate	LC	0.006	0.105	0.096	0.080	8.6%	123%	113%	50 - 150	
Fensulfthion	LC	0.000	0.056	0.050	0.040	9.8%	139%	126%	50 - 150	
Fenitron	LC	0.002	0.054	0.049	0.040	11.8%	131%	116%	50 - 150	
Fenvalerate	LC	0.013	0.511	0.497	0.400	2.8%	124%	121%	50 - 150	
Fipronil	LC	0.000	0.060	0.054	0.040	9.9%	149%	135%	50 - 150	
Flonicamid	LC	0.000	0.134	0.125	0.100	6.9%	134%	125%	50 - 150	
Fludioxonil	LC	0.000	0.055	0.051	0.040	7.9%	137%	127%	50 - 150	



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



Report Number: 22-009883/D005.R000
Report Date: 08/25/2022
ORELAP#: OR100028
Purchase Order: 2173; 2190
Received: 08/18/22 11:37

Revision: Document ID:
 Legacy ID: Effective:

Laboratory Quality Control Results

Residual Solvents				Batch ID: 2207131					
Method Blank				Laboratory Control Sample					
Analyte	Result	LOQ	Notes	Result	Spike	Units	% Rec	Limits	Notes
Propane	ND	< 200		483	572	µg/g	84.4	60 - 120	
Isobutane	ND	< 200		608	731	µg/g	83.2	60 - 120	
Butane	ND	< 200		593	731	µg/g	81.1	60 - 120	
2,2-Dimethylpropane	ND	< 200		787	936	µg/g	84.1	60 - 120	
Methanol	ND	< 200		1270	1650	µg/g	77.0	60 - 120	
Ethylene Oxide	ND	< 30		47.8	56.2	µg/g	85.1	60 - 120	
2-Methylbutane	ND	< 200		1090	1620	µg/g	67.3	60 - 120	
Pentane	ND	< 200		1120	1610	µg/g	69.6	60 - 120	
Ethanol	ND	< 200		1230	1620	µg/g	75.9	70 - 130	
Ethyl Ether	ND	< 200		1180	1600	µg/g	73.8	60 - 120	
2,2-Dimethylbutane	ND	< 30		114	167	µg/g	68.3	60 - 120	
Acetone	ND	< 200		1250	1620	µg/g	77.2	60 - 120	
2-Propanol	ND	< 200		1250	1610	µg/g	77.6	60 - 120	
Ethyl Formate	ND	< 500		1110	1620	µg/g	68.5	70 - 130	Q6
Acetonitrile	ND	< 100		475	635	µg/g	74.8	60 - 120	
Methyl Acetate	ND	< 500		1320	1630	µg/g	81.0	70 - 130	
2,3-Dimethylbutane	ND	< 30		143	177	µg/g	80.8	60 - 120	
Dichloromethane	ND	< 60		394	498	µg/g	79.1	60 - 120	
2-Methylpentane	ND	< 30		124	166	µg/g	74.7	60 - 120	
MTBE	ND	< 500		1310	1600	µg/g	81.9	70 - 130	
3-Methylpentane	ND	< 30		134	175	µg/g	76.6	60 - 120	
Hexane	ND	< 30		133	174	µg/g	76.4	60 - 120	
1-Propanol	ND	< 500		1280	1620	µg/g	79.0	70 - 130	
Methylethylketone	ND	< 500		1310	1600	µg/g	81.9	70 - 130	
Ethyl acetate	ND	< 200		1180	1610	µg/g	73.3	60 - 120	
2-Butanol	ND	< 200		1200	1620	µg/g	74.1	60 - 120	
Tetrahydrofuran	ND	< 100		350	507	µg/g	69.0	60 - 120	
Cyclohexane	ND	< 200		1130	1610	µg/g	70.2	60 - 120	
2-methyl-1-propanol	ND	< 500		1210	1640	µg/g	73.8	70 - 130	
Benzene	ND	< 1		3.38	5.22	µg/g	64.8	60 - 120	
Isopropyl Acetate	ND	< 200		1160	1610	µg/g	72.0	60 - 120	
Heptane	ND	< 200		1120	1610	µg/g	69.6	60 - 120	
1-Butanol	ND	< 500		1170	1610	µg/g	72.7	70 - 130	
Propyl Acetate	ND	< 500		1250	1610	µg/g	77.6	70 - 130	
1,4-Dioxane	ND	< 100		367	508	µg/g	72.2	60 - 120	
2-Ethoxyethanol	ND	< 30		111	165	µg/g	67.3	60 - 120	
Methylisobutylketone	ND	< 500		1160	1610	µg/g	72.0	70 - 130	
3-Methyl-1-butanol	ND	< 500		1080	1600	µg/g	67.5	70 - 130	Q6
Ethylene Glycol	ND	< 200		306	492	µg/g	62.2	60 - 120	
Toluene	ND	< 100		330	497	µg/g	66.4	60 - 120	
Isobutyl Acetate	ND	< 500		1170	1610	µg/g	72.7	70 - 130	
1-Pentanol	ND	< 500		1140	1600	µg/g	71.3	70 - 130	
Butyl Acetate	ND	< 500		1220	1610	µg/g	75.8	70 - 130	
Ethylbenzene	ND	< 200		625	980	µg/g	63.8	60 - 120	
m,p-Xylene	ND	< 200		628	985	µg/g	63.8	60 - 120	
o-Xylene	ND	< 200		612	965	µg/g	63.4	60 - 120	
Cumene	ND	< 30		111	168	µg/g	66.1	60 - 120	
Anisole	ND	< 500		1120	1600	µg/g	70.0	70 - 130	
DMSO	ND	< 500		1190	1610	µg/g	73.9	70 - 130	
1,2-dimethoxyethane	ND	< 50		127	165	µg/g	77.0	70 - 130	
Triethylamine	ND	< 500		1310	1620	µg/g	80.9	70 - 130	
N,N-dimethylformamide	ND	< 150		367	481	µg/g	76.3	70 - 130	
N,N-dimethylacetamide	ND	< 150		353	480	µg/g	73.5	70 - 130	
Pyridine	ND	< 50		124	171	µg/g	72.5	70 - 130	
Sulfolane	ND	< 50		128	179	µg/g	71.5	70 - 130	
1,2-Dichloroethane	ND	< 1		0.974	1	µg/g	97.4	70 - 130	
Chloroform	ND	< 1		0.991	1	µg/g	99.1	70 - 130	
Trichloroethylene	ND	< 1		0.956	1	µg/g	95.6	70 - 130	



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QC - Sample Duplicate			Sample ID: 22-009645-0003					
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	
1,2-Dichloroethane	ND	ND	1	µg/g	0.0	< 20	Acceptable	
Chloroform	ND	ND	1	µg/g	0.0	< 20	Acceptable	
Trichloroethylene	ND	ND	1	µg/g	0.0	< 20	Acceptable	

Abbreviations

ND - None Detected at or above MRL
RPD - Relative Percent Difference
LOQ - Limit of Quantitation
Q6 - Quality control outside QC limits. Data acceptable based on remaining QC.

Units of Measure:

µg/g - Microgram per gram or ppm



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Revision: 1 Document ID: TBA

Laboratory Quality Control Results

Organic Acids				Batch ID: 2207162						
Method Blank				Laboratory Control Sample						
Analyte	Result	LOQ	Notes	Result	Spike	Units	% Rec	Limits	Notes	
Acetic Acid	<LOQ	<	250	497	522	µg/g	95.2	70 - 130		
Formic Acid	<LOQ	<	250	633	617	µg/g	102.6	70 - 130		

QC - Sample Duplicate						Sample ID: LCS		
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Accept/Fail	Notes
Acetic Acid	<LOQ	<LOQ	250	µg/g	0.0	< 20	Acceptable	
Formic Acid	<LOQ	<LOQ	250	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	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.