



D8 GVL-TST630

Sample ID: G3E0119-01

Matrix: Hemp Extracts & Concentrates

Test ID: 5025347

Source ID:

Date Sampled: 05/09/23

Date Accepted: 05/09/23

Harvest/Prod. Date: 05.08.2023

Oregon Custom Supply
info@gvbbiopharma.com

Results at a Glance

Total THC : <LOQ (0.1577%) %

Total CBD : 0.5650 %

delta 8-THC : 91.19 % PASS

Pesticides : PASS

Residual Solvent Analysis : PASS

Total Colonies : <LOQ cfu/g PASS

Metals : PASS



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Eric Wendt
Chief Science Officer - 5/12/2023



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Potency Analysis by HPLC

Date/Time Extracted: 05/10/23 09:45

Analysis Method/SOP: 215

Batch Identification: 2319023

Cannabinoids	LOQ (%)	% by Wt.	mg/g	Cannabinoids Profile								
Total THC	0.1577	< LOQ	< LOQ	<table border="1"> <tr><td>delta 8-THC</td><td>91.2</td></tr> <tr><td>CBD</td><td>0.6</td></tr> <tr><td>CBN</td><td>0.1</td></tr> <tr><td>Total</td><td>91.8</td></tr> </table>	delta 8-THC	91.2	CBD	0.6	CBN	0.1	Total	91.8
delta 8-THC	91.2											
CBD	0.6											
CBN	0.1											
Total	91.8											
Total CBD	0.0431	0.5650	5.65									
THCA	0.0005	< LOQ	< LOQ									
delta 9-THC	0.0005	< LOQ	< LOQ									
delta 8-THC	0.0934	91.19	911.9									
THCV	0.1052	< LOQ	< LOQ									
THCVA	0.0392	< LOQ	< LOQ									
CBD	0.0005	0.5650	5.65									
CBDA	0.0005	< LOQ	< LOQ									
CBDV	0.1040	< LOQ	< LOQ									
CBDVA	0.0341	< LOQ	< LOQ									
CBN	0.0622	0.0819	0.819									
CBG	0.0164	< LOQ	< LOQ									
CBGA	0.0164	< LOQ	< LOQ									
CBC	0.0186	< LOQ	< LOQ									
Total Cannabinoids		91.84	918.4									

Total THC = delta 9-THC + (THCA * 0.877)

Total CBD = CBD + (CBDA * 0.877)

Total CBG = CBG + (CBGA * 0.878)

LOQ=Limit of Quantification, the lowest measurable concentration of an analyte.



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Pesticide Analysis by LCMSMS and GCMSMS

Date/Time Extracted: 05/10/23 10:04

Analysis Method/SOP: 202

Analyte	Result	Action Level	LOD	LOQ	Units	Notes	Analyte	Result	Action Level	LOD	LOQ	Units	Notes
Abamectin	< LOQ	0.5		0.08	ppm		Acephate	< LOQ	0.4		0.08	ppm	
Acequinocyl	< LOQ	2		0.4	ppm		Acetamidrid	< LOQ	0.2		0.08	ppm	
Aldicarb	< LOQ	0.4		0.08	ppm		Azoxystrobin	< LOQ	0.2		0.08	ppm	
Bifenazate	< LOQ	0.2		0.08	ppm		Bifenthrin	< LOQ	0.2		0.08	ppm	
Boscalid	< LOQ	0.4		0.08	ppm		Carbaryl	< LOQ	0.2		0.08	ppm	
Carbofuran	< LOQ	0.2		0.08	ppm		Chlorantraniliprole	< LOQ	0.2		0.08	ppm	
Chlorfenapyr	< LOQ	1		0.08	ppm		Chlorpyrifos	< LOQ	0.2		0.08	ppm	
Clofentezine	< LOQ	0.2		0.08	ppm		Cyfluthrin	< LOQ	1		0.4	ppm	
Cypermethrin	< LOQ	1		0.4	ppm		Daminozide	< LOQ	1		0.4	ppm	
DDVP (Dichlorvos)	< LOQ	1		0.08	ppm		Diazinon	< LOQ	0.2		0.08	ppm	
Dimethoate	< LOQ	0.2		0.08	ppm		Ethoprophos	< LOQ	0.2		0.08	ppm	
Etofenprox	< LOQ	0.4		0.08	ppm		Etoxazole	< LOQ	0.2		0.08	ppm	
Fenoxycarb	< LOQ	0.2		0.08	ppm		Fenpyroximate	< LOQ	0.4		0.08	ppm	
Fipronil	< LOQ	0.4		0.08	ppm		Fonicamid	< LOQ	1		0.08	ppm	
Fludioxonil	< LOQ	0.4		0.08	ppm		Hexythiazox	< LOQ	1		0.08	ppm	
Imazalil	< LOQ	0.2		0.08	ppm		Imidacloprid	< LOQ	0.4		0.08	ppm	
Kresoxim-methyl	< LOQ	0.4		0.08	ppm		Malathion	< LOQ	0.2		0.08	ppm	
Metalaxyl	< LOQ	0.2		0.08	ppm		Methiocarb	< LOQ	0.2		0.08	ppm	
Methomyl	< LOQ	0.4		0.08	ppm		Methyl parathion	< LOQ	0.2		0.08	ppm	
MGK-264	< LOQ	0.2		0.08	ppm		Myclobutanil	< LOQ	0.2		0.08	ppm	
Naled	< LOQ	0.5		0.08	ppm		Oxamyl	< LOQ	1		0.08	ppm	
Paclobutrazol	< LOQ	0.4		0.08	ppm		Permethrins	< LOQ	0.2		0.08	ppm	
Phosmet	< LOQ	0.2		0.08	ppm		Piperonyl butoxide	< LOQ	2		0.8	ppm	
Prallethrin	< LOQ	0.2		0.08	ppm		Propiconazole	< LOQ	0.4		0.08	ppm	
Propoxur	< LOQ	0.2		0.08	ppm		Pyrethrins	< LOQ	1		0.4	ppm	
Pyridaben	< LOQ	0.2		0.08	ppm		Spinosad	< LOQ	0.2		0.08	ppm	
Spiromesifen	< LOQ	0.2		0.08	ppm		Spirotetramat	< LOQ	0.2		0.08	ppm	
Spiroxamine	< LOQ	0.4		0.08	ppm		Tebuconazole	< LOQ	0.4		0.08	ppm	
Thiacloprid	< LOQ	0.2		0.08	ppm		Thiamethoxam	< LOQ	0.2		0.08	ppm	
Trifloxystrobin	< LOQ	0.2		0.08	ppm								

ND - Compound not detected

Results above the Action Level fail state testing requirements and will be highlighted **Red**.



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Residual Solvents by GCMS-HS

Date/Time Extracted: 05/11/23 09:47

Analysis Method/SOP: 205

Analyte	Result	Action Level	LOD	LOQ	Units	Notes
1,4-Dioxane	< LOQ	380		50.00	ppm	
2-Butanol	< LOQ	5000		1000	ppm	
2-Ethoxyethanol	< LOQ	160		80.00	ppm	
2-Propanol (IPA)	< LOQ	5000		1000	ppm	
Acetone	< LOQ	5000		1000	ppm	
Acetonitrile	< LOQ	410		50.00	ppm	
Benzene	< LOQ	2		1.000	ppm	
Butanes	< LOQ	5000		1000	ppm	
Cumene	< LOQ	70		35.00	ppm	
Cyclohexane	< LOQ	3880		50.00	ppm	
Dichloromethane	< LOQ	600		50.00	ppm	
Ethyl acetate	< LOQ	5000		1000	ppm	
Ethyl benzene	< LOQ	2170		35.00	ppm	
Ethyl ether	< LOQ	5000		1000	ppm	
Ethylene glycol	< LOQ	620		310.0	ppm	
Ethylene oxide	< LOQ	50		25.00	ppm	
Heptane	< LOQ	5000		1000	ppm	
Hexanes	< LOQ	290		50.00	ppm	
Isopropyl acetate	< LOQ	5000		1000	ppm	
Methanol	< LOQ	3000		1000	ppm	
Pentanes	< LOQ	5000		1000	ppm	
Propane	< LOQ	5000		1000	ppm	
Tetrahydrofuran	< LOQ	720		50.00	ppm	
Toluene	< LOQ	890		50.00	ppm	
Xylenes	< LOQ	2170		50.00	ppm	

<LOQ - Results below the Limit of Quantitation

Results above the Action Level fail state testing requirements and will be highlighted **Red**.



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Date Sampled: 05/09/23 Date Accepted: 05/09/23

Harvest/Prod. Date: 05.08.2023

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Molds and Fungi Screen

Date/Time Extracted: 05/10/23 11:54

Analysis Method/SOP: 301

Total Colonies: < LOQ CFU/g

This is not a doctor's recommendation. A large majority of samples fall within the 1400-8500 range.
Microbial colony counting is not accredited to ORELAP TNI 2009 or ISO 17025:2017 Quality Standards.

Metals by ICPMS

Date/Time Extracted: 05/10/23 09:24

Analysis Method/SOP: Metals

Analyte	Result	Action Level	LOD	LOQ	Units
Arsenic	< LOQ	0.2	0.03	0.08	ug/g
Cadmium	< LOQ	0.2	0.02	0.08	ug/g
Lead	< LOQ	0.5	0.01	0.08	ug/g
Mercury	< LOQ	0.1	0.01	0.04	ug/g

<LOQ - Results below the Limit of Quantitation

Results above the Action Level fail state testing requirements and will be highlighted **Red**.



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Quality Control Potency

Batch: 2319023 - 215-Concentrates

Blank(2319023-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	< LOQ	0.0005	%		05/10/23 09:45	05/10/23 16:35	
delta 9-THC	< LOQ	0.0005	%		05/10/23 09:45	05/10/23 16:35	
delta 8-THC	< LOQ	0.0934	%		05/10/23 09:45	05/10/23 16:35	
THCV	< LOQ	0.1052	%		05/10/23 09:45	05/10/23 16:35	
THCVA	< LOQ	0.0392	%		05/10/23 09:45	05/10/23 16:35	
CBD	< LOQ	0.0005	%		05/10/23 09:45	05/10/23 16:35	
CBDA	< LOQ	0.0005	%		05/10/23 09:45	05/10/23 16:35	
CBDV	< LOQ	0.1040	%		05/10/23 09:45	05/10/23 16:35	
CBDVA	< LOQ	0.0341	%		05/10/23 09:45	05/10/23 16:35	
CBN	< LOQ	0.0622	%		05/10/23 09:45	05/10/23 16:35	
CBG	< LOQ	0.0164	%		05/10/23 09:45	05/10/23 16:35	
CBGA	< LOQ	0.0164	%		05/10/23 09:45	05/10/23 16:35	
CBC	< LOQ	0.0186	%		05/10/23 09:45	05/10/23 16:35	

Reference(2319023-SRM1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	90.3	0.0002	%	90-110	05/10/23 09:45	05/10/23 16:58	
delta 9-THC	108	0.0002	%	90-110	05/10/23 09:45	05/10/23 16:58	
delta 8-THC	96.4	0.0451	%	90-110	05/10/23 09:45	05/10/23 16:58	
CBD	108	0.0002	%	90-110	05/10/23 09:45	05/10/23 16:58	
CBDA	95.2	0.0002	%	90-110	05/10/23 09:45	05/10/23 16:58	

Pesticide Analysis

Batch: 2319025 - 202

Blank(2319025-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Abamectin	< LOQ	0.1	ppm		05/10/23 10:04	05/10/23 15:06	
Acephate	< LOQ	0.1	ppm		05/10/23 10:04	05/10/23 15:06	
Acequinocyl	< LOQ	0.5	ppm		05/10/23 10:04	05/10/23 15:06	
Acetamiprid	< LOQ	0.1	ppm		05/10/23 10:04	05/10/23 15:06	
Aldicarb	< LOQ	0.1	ppm		05/10/23 10:04	05/10/23 15:06	
Azoxystrobin	< LOQ	0.1	ppm		05/10/23 10:04	05/10/23 15:06	
Bifenazate	< LOQ	0.1	ppm		05/10/23 10:04	05/10/23 15:06	
Bifenthrin	< LOQ	0.1	ppm		05/10/23 10:04	05/10/23 15:06	
Boscalid	< LOQ	0.1	ppm		05/10/23 10:04	05/10/23 14:23	
Carbaryl	< LOQ	0.1	ppm		05/10/23 10:04	05/10/23 15:06	
Carbofuran	< LOQ	0.1	ppm		05/10/23 10:04	05/10/23 15:06	
Chlorantraniliprole	< LOQ	0.1	ppm		05/10/23 10:04	05/10/23 15:06	
Chlorfenapyr	< LOQ	0.1	ppm		05/10/23 10:04	05/10/23 14:23	



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Quality Control Pesticide Analysis (Continued)

Batch: 2319025 - 202 (Continued)

Blank(2319025-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Chlorpyrifos	< LOQ	0.1	ppm		05/10/23 10:04	05/10/23 15:06	
Clofentezine	< LOQ	0.1	ppm		05/10/23 10:04	05/10/23 15:06	
Daminozide	< LOQ	0.5	ppm		05/10/23 10:04	05/10/23 15:06	
Cyfluthrin	< LOQ	0.5	ppm		05/10/23 10:04	05/10/23 14:23	
Diazinon	< LOQ	0.1	ppm		05/10/23 10:04	05/10/23 15:06	
Cypermethrin	< LOQ	0.5	ppm		05/10/23 10:04	05/10/23 14:23	
Dimethoate	< LOQ	0.1	ppm		05/10/23 10:04	05/10/23 15:06	
Ethoprophos	< LOQ	0.1	ppm		05/10/23 10:04	05/10/23 15:06	
Etofenprox	< LOQ	0.1	ppm		05/10/23 10:04	05/10/23 15:06	
Etoxazole	< LOQ	0.1	ppm		05/10/23 10:04	05/10/23 15:06	
Fenoxycarb	< LOQ	0.1	ppm		05/10/23 10:04	05/10/23 15:06	
Fenpyroximate	< LOQ	0.1	ppm		05/10/23 10:04	05/10/23 15:06	
Fonicamid	< LOQ	0.1	ppm		05/10/23 10:04	05/10/23 15:06	
Hexythiazox	< LOQ	0.1	ppm		05/10/23 10:04	05/10/23 15:06	
Imazalil	< LOQ	0.1	ppm		05/10/23 10:04	05/10/23 15:06	
Fipronil	< LOQ	0.1	ppm		05/10/23 10:04	05/10/23 14:23	
Imidacloprid	< LOQ	0.1	ppm		05/10/23 10:04	05/10/23 15:06	
Fludioxonil	< LOQ	0.1	ppm		05/10/23 10:04	05/10/23 14:23	
Metalaxyl	< LOQ	0.1	ppm		05/10/23 10:04	05/10/23 15:06	
Methiocarb	< LOQ	0.1	ppm		05/10/23 10:04	05/10/23 15:06	
Methomyl	< LOQ	0.1	ppm		05/10/23 10:04	05/10/23 15:06	
Myclobutanil	< LOQ	0.1	ppm		05/10/23 10:04	05/10/23 15:06	
Kresoxim-methyl	< LOQ	0.1	ppm		05/10/23 10:04	05/10/23 14:23	
Naled	< LOQ	0.1	ppm		05/10/23 10:04	05/10/23 15:06	
Malathion	< LOQ	0.1	ppm		05/10/23 10:04	05/10/23 14:23	
Oxamyl	< LOQ	0.1	ppm		05/10/23 10:04	05/10/23 15:06	
Paclobutrazol	< LOQ	0.1	ppm		05/10/23 10:04	05/10/23 15:06	
Permethrins	< LOQ	0.1	ppm		05/10/23 10:04	05/10/23 15:06	
Methyl parathion	< LOQ	0.1	ppm		05/10/23 10:04	05/10/23 14:23	
MGK-264	< LOQ	0.1	ppm		05/10/23 10:04	05/10/23 14:23	
Phosmet	< LOQ	0.1	ppm		05/10/23 10:04	05/10/23 15:06	
Piperonyl butoxide	< LOQ	0.9	ppm		05/10/23 10:04	05/10/23 15:06	
Prallethrin	< LOQ	0.1	ppm		05/10/23 10:04	05/10/23 15:06	
Propoxur	< LOQ	0.1	ppm		05/10/23 10:04	05/10/23 15:06	
Pyrethrins	< LOQ	0.5	ppm		05/10/23 10:04	05/10/23 15:06	
Pyridaben	< LOQ	0.1	ppm		05/10/23 10:04	05/10/23 15:06	
Propiconazole	< LOQ	0.1	ppm		05/10/23 10:04	05/10/23 14:23	
Spinosad	< LOQ	0.1	ppm		05/10/23 10:04	05/10/23 15:06	



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Quality Control Pesticide Analysis (Continued)

Batch: 2319025 - 202 (Continued)

Blank(2319025-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Spiromesifen	< LOQ	0.1	ppm		05/10/23 10:04	05/10/23 15:06	
Spirotetramat	< LOQ	0.1	ppm		05/10/23 10:04	05/10/23 15:06	
Spiroxamine	< LOQ	0.1	ppm		05/10/23 10:04	05/10/23 15:06	
Tebuconazole	< LOQ	0.1	ppm		05/10/23 10:04	05/10/23 15:06	
Thiacloprid	< LOQ	0.1	ppm		05/10/23 10:04	05/10/23 15:06	
Thiamethoxam	< LOQ	0.1	ppm		05/10/23 10:04	05/10/23 15:06	
Trifloxystrobin	< LOQ	0.1	ppm		05/10/23 10:04	05/10/23 15:06	
DDVP (Dichlorvos)	< LOQ	0.1	ppm		05/10/23 10:04	05/10/23 15:06	

LCS(2319025-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Abamectin	98.8	0.09	ppm	50-150	05/10/23 10:04	05/10/23 15:29	
Acephate	80.4	0.09	ppm	60-120	05/10/23 10:04	05/10/23 15:29	
Acequinocyl	98.1	0.4	ppm	40-160	05/10/23 10:04	05/10/23 15:29	
Acetamiprid	104	0.09	ppm	60-120	05/10/23 10:04	05/10/23 15:29	
Aldicarb	101	0.09	ppm	60-120	05/10/23 10:04	05/10/23 15:29	
Azoxystrobin	109	0.09	ppm	60-120	05/10/23 10:04	05/10/23 15:29	
Bifenazate	105	0.09	ppm	60-120	05/10/23 10:04	05/10/23 15:29	
Bifenthrin	80.3	0.09	ppm	50-150	05/10/23 10:04	05/10/23 15:29	
Boscalid	86.6	0.09	ppm	60-120	05/10/23 10:04	05/10/23 14:45	
Carbaryl	116	0.09	ppm	60-120	05/10/23 10:04	05/10/23 15:29	
Carbofuran	111	0.09	ppm	60-120	05/10/23 10:04	05/10/23 15:29	
Chlorantraniliprole	105	0.09	ppm	60-120	05/10/23 10:04	05/10/23 15:29	
Chlorfenapyr	101	0.09	ppm	60-120	05/10/23 10:04	05/10/23 14:45	
Chlorpyrifos	83.1	0.09	ppm	60-120	05/10/23 10:04	05/10/23 15:29	
Clofentezine	99.6	0.09	ppm	60-120	05/10/23 10:04	05/10/23 15:29	
Cypermethrin	104	0.4	ppm	50-150	05/10/23 10:04	05/10/23 15:29	
Daminozide	819	0.4	ppm	60-120	05/10/23 10:04	05/10/23 15:29	BSH
Cyfluthrin	91.6	0.4	ppm	50-150	05/10/23 10:04	05/10/23 14:45	
Diazinon	96.1	0.09	ppm	60-120	05/10/23 10:04	05/10/23 15:29	
Cypermethrin	125	0.4	ppm	50-150	05/10/23 10:04	05/10/23 14:45	
Dimethoate	105	0.09	ppm	60-120	05/10/23 10:04	05/10/23 15:29	
Ethoprophos	103	0.09	ppm	60-120	05/10/23 10:04	05/10/23 15:29	
Etofenprox	97.2	0.09	ppm	50-150	05/10/23 10:04	05/10/23 15:29	
Etoxazole	99.3	0.09	ppm	60-120	05/10/23 10:04	05/10/23 15:29	
Fenoxycarb	98.1	0.09	ppm	60-120	05/10/23 10:04	05/10/23 15:29	
Fenpyroximate	90.7	0.09	ppm	60-120	05/10/23 10:04	05/10/23 15:29	
Fonicamid	104	0.09	ppm	60-120	05/10/23 10:04	05/10/23 15:29	
Hexythiazox	81.2	0.09	ppm	60-120	05/10/23 10:04	05/10/23 15:29	



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Quality Control Pesticide Analysis (Continued)

Batch: 2319025 - 202 (Continued)

LCS(2319025-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Imazalil	103	0.09	ppm	60-120	05/10/23 10:04	05/10/23 15:29	
Fipronil	99.6	0.09	ppm	60-120	05/10/23 10:04	05/10/23 14:45	
Imidacloprid	109	0.09	ppm	60-120	05/10/23 10:04	05/10/23 15:29	
Fludioxonil	69.9	0.09	ppm	50-150	05/10/23 10:04	05/10/23 14:45	
Metalaxyl	103	0.09	ppm	60-120	05/10/23 10:04	05/10/23 15:29	
Methiocarb	121	0.09	ppm	60-120	05/10/23 10:04	05/10/23 15:29	BSH
Methomyl	109	0.09	ppm	60-120	05/10/23 10:04	05/10/23 15:29	
Myclobutanil	93.7	0.09	ppm	60-120	05/10/23 10:04	05/10/23 15:29	
Kresoxim-methyl	89.7	0.09	ppm	60-120	05/10/23 10:04	05/10/23 14:45	
Naled	99.3	0.09	ppm	50-150	05/10/23 10:04	05/10/23 15:29	
Malathion	96.1	0.09	ppm	60-120	05/10/23 10:04	05/10/23 14:45	
Oxamyl	110	0.09	ppm	60-120	05/10/23 10:04	05/10/23 15:29	
Paclobutrazol	99.9	0.09	ppm	60-120	05/10/23 10:04	05/10/23 15:29	
Permethrins	96.8	0.09	ppm	50-150	05/10/23 10:04	05/10/23 15:29	
Methyl parathion	71.1	0.09	ppm	50-150	05/10/23 10:04	05/10/23 14:45	
MGK-264	87.2	0.09	ppm	50-150	05/10/23 10:04	05/10/23 14:45	
Phosmet	104	0.09	ppm	50-150	05/10/23 10:04	05/10/23 15:29	
Piperonyl butoxide	127	0.8	ppm	60-120	05/10/23 10:04	05/10/23 15:29	BSH
Prallethrin	100	0.09	ppm	60-120	05/10/23 10:04	05/10/23 15:29	
Propoxur	114	0.09	ppm	60-120	05/10/23 10:04	05/10/23 15:29	
Pyrethrins	121	0.4	ppm	60-120	05/10/23 10:04	05/10/23 15:29	BSH
Pyridaben	98.7	0.09	ppm	50-150	05/10/23 10:04	05/10/23 15:29	
Propiconazole	105	0.09	ppm	60-120	05/10/23 10:04	05/10/23 14:45	
Spinosad	99.3	0.09	ppm	50-150	05/10/23 10:04	05/10/23 15:29	
Spiromesifen	103	0.09	ppm	60-120	05/10/23 10:04	05/10/23 15:29	
Spirotetramat	105	0.09	ppm	60-120	05/10/23 10:04	05/10/23 15:29	
Spiroxamine	99.2	0.09	ppm	60-120	05/10/23 10:04	05/10/23 15:29	
Tebuconazole	105	0.09	ppm	60-120	05/10/23 10:04	05/10/23 15:29	
Thiacloprid	106	0.09	ppm	60-120	05/10/23 10:04	05/10/23 15:29	
Thiamethoxam	104	0.09	ppm	60-120	05/10/23 10:04	05/10/23 15:29	
Trifloxystrobin	105	0.09	ppm	60-120	05/10/23 10:04	05/10/23 15:29	
DDVP (Dichlorvos)	107	0.09	ppm	60-120	05/10/23 10:04	05/10/23 15:29	

Solvent Analysis

Batch: 2319044 - 205

Blank(2319044-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Acetone	< LOQ	1000	ppm		05/11/23 09:47	05/12/23 08:53	



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Quality Control Solvent Analysis (Continued)

Batch: 2319044 - 205 (Continued)

Blank(2319044-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Acetonitrile	< LOQ	50.00	ppm		05/11/23 09:47	05/12/23 08:53	
Benzene	< LOQ	1.000	ppm		05/11/23 09:47	05/12/23 08:53	
Butanes	< LOQ	1000	ppm		05/11/23 09:47	05/12/23 08:53	
2-Butanol	< LOQ	1000	ppm		05/11/23 09:47	05/12/23 08:53	
Cumene	< LOQ	35.00	ppm		05/11/23 09:47	05/12/23 08:53	
Cyclohexane	< LOQ	50.00	ppm		05/11/23 09:47	05/12/23 08:53	
Dichloromethane	< LOQ	50.00	ppm		05/11/23 09:47	05/12/23 08:53	
1,4-Dioxane	< LOQ	50.00	ppm		05/11/23 09:47	05/12/23 08:53	
2-Ethoxyethanol	< LOQ	80.00	ppm		05/11/23 09:47	05/12/23 08:53	
Ethyl acetate	< LOQ	1000	ppm		05/11/23 09:47	05/12/23 08:53	
Ethyl benzene	< LOQ	35.00	ppm		05/11/23 09:47	05/12/23 08:53	
Ethylene glycol	< LOQ	310.0	ppm		05/11/23 09:47	05/12/23 08:53	
Ethylene oxide	< LOQ	25.00	ppm		05/11/23 09:47	05/12/23 08:53	
Ethyl ether	< LOQ	1000	ppm		05/11/23 09:47	05/12/23 08:53	
Heptane	< LOQ	1000	ppm		05/11/23 09:47	05/12/23 08:53	
Hexanes	< LOQ	50.00	ppm		05/11/23 09:47	05/12/23 08:53	
Isopropyl acetate	< LOQ	1000	ppm		05/11/23 09:47	05/12/23 08:53	
Methanol	< LOQ	1000	ppm		05/11/23 09:47	05/12/23 08:53	
Pentanes	< LOQ	1000	ppm		05/11/23 09:47	05/12/23 08:53	
Propane	< LOQ	1000	ppm		05/11/23 09:47	05/12/23 08:53	
2-Propanol (IPA)	< LOQ	1000	ppm		05/11/23 09:47	05/12/23 08:53	
Tetrahydrofuran	< LOQ	50.00	ppm		05/11/23 09:47	05/12/23 08:53	
Toluene	< LOQ	50.00	ppm		05/11/23 09:47	05/12/23 08:53	
Xylenes	< LOQ	50.00	ppm		05/11/23 09:47	05/12/23 08:53	

LCS(2319044-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Acetone	88.2	1000	ppm	60-120	05/11/23 09:47	05/11/23 17:09	
Acetonitrile	86.5	50.00	ppm	60-120	05/11/23 09:47	05/11/23 17:09	
Benzene	82.6	1.000	ppm	60-120	05/11/23 09:47	05/11/23 17:09	
Butanes	88.1	1000	ppm	60-120	05/11/23 09:47	05/11/23 17:09	
2-Butanol	84.9	1000	ppm	60-120	05/11/23 09:47	05/11/23 17:09	
Cumene	69.7	35.00	ppm	60-120	05/11/23 09:47	05/11/23 17:09	
Cyclohexane	90.5	50.00	ppm	60-120	05/11/23 09:47	05/11/23 17:09	
Dichloromethane	87.5	50.00	ppm	60-120	05/11/23 09:47	05/11/23 17:09	
1,4-Dioxane	80.2	50.00	ppm	60-120	05/11/23 09:47	05/11/23 17:09	
2-Ethoxyethanol	72.9	80.00	ppm	60-120	05/11/23 09:47	05/11/23 17:09	
Ethyl acetate	85.1	1000	ppm	60-120	05/11/23 09:47	05/11/23 17:09	
Ethyl benzene	77.4	35.00	ppm	60-120	05/11/23 09:47	05/11/23 17:09	



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Quality Control Solvent Analysis (Continued)

Batch: 2319044 - 205 (Continued)

LCS(2319044-BS1)									
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes		
Ethylene glycol	63.1	310.0	ppm	60-120	05/11/23 09:47	05/11/23 17:09	BSL		
Ethylene oxide	88.7	25.00	ppm	60-120	05/11/23 09:47	05/11/23 17:09			
Ethyl ether	89.9	1000	ppm	60-120	05/11/23 09:47	05/11/23 17:09			
Heptane	90.1	1000	ppm	60-120	05/11/23 09:47	05/11/23 17:09			
Hexanes	90.5	50.00	ppm	60-120	05/11/23 09:47	05/11/23 17:09			
Isopropyl acetate	87.1	1000	ppm	60-120	05/11/23 09:47	05/11/23 17:09			
Methanol	88.8	1000	ppm	60-120	05/11/23 09:47	05/11/23 17:09			
Pentanes	89.6	1000	ppm	60-120	05/11/23 09:47	05/11/23 17:09			
Propane	81.8	1000	ppm	60-120	05/11/23 09:47	05/11/23 17:09			
2-Propanol (IPA)	87.2	1000	ppm	60-120	05/11/23 09:47	05/11/23 17:09			
Tetrahydrofuran	87.6	50.00	ppm	60-120	05/11/23 09:47	05/11/23 17:09			
Toluene	84.4	50.00	ppm	60-120	05/11/23 09:47	05/11/23 17:09			

Metals

Batch: 2319021 - 217

Blank(2319021-BLK1)									
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes		
Cadmium	< LOQ	0.08	ug/g		05/10/23 09:24	05/10/23 16:12			
Lead	< LOQ	0.08	ug/g		05/10/23 09:24	05/10/23 16:12			
Arsenic	< LOQ	0.08	ug/g		05/10/23 09:24	05/10/23 16:12			
Mercury	< LOQ	0.04	ug/g		05/10/23 09:24	05/10/23 16:12			

LCS(2319021-BS1)									
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes		
Cadmium	98.9	0.08	ug/g	80-115	05/10/23 09:24	05/10/23 16:13			
Lead	103	0.08	ug/g	80-115	05/10/23 09:24	05/10/23 16:13			
Arsenic	98.2	0.08	ug/g	80-115	05/10/23 09:24	05/10/23 16:13			
Mercury	97.7	0.04	ug/g	80-115	05/10/23 09:24	05/10/23 16:13			

Batch: 2319031 - 301

Blank(2319031-BLK1)									
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes		
Molds and Fungi	< LOQ	10.0	cfu/g		05/10/23 11:54	05/12/23 09:38			



Eric Wendt
Chief Science Officer - 5/12/2023



Notes and Definitions

Regulatory Compliance samples were collected onsite at facility according to ORELAP-SOP-001 and ORELAP-SOP-002 and following Sampling Plan FN117. Quality Control samples were tested as received. Results do not include uncertainty of measurements. Available upon request.

- ATM Non-cannabis matrix related interference or suppression of Internal standard
- BLI Baseline Interference - Cannabinoid peak interference in chromatographic baseline affecting QC recovery .
- BLK Analyte detected in method blank, but not associated samples.
- BSH Blank Spike High - Blank Spike recovery above method limit. no detections in samples.
- BSL Blank Spike Low - Blank Spike recovery below lower method limit, analyte chromatography reviewed manually for all samples.
- CBD Interference due to co-elution
- CV1 CBD matrix interference on GC Pest chromatography
- CV2 CCV was above acceptance criteria, Non-detect samples are considered acceptable.
- INF CCV was below acceptance criteria, sample still exceeds regulatory limit.
- ISH One or more QC falls outside acceptance criteria. Data entered into LIMS for informational purposes only.
- ISL Internal Standard concentration is above acceptance criteria.
- MSH Internal Standard concentration is below acceptance criteria.
- MSI Matrix Spike High - Matrix Spike recovery above method limits.
- MSL Matrix Spike Interference - Matrix spike source sample contains analyte hit above calibration affecting recovery accuracy in Matrix Spike.
- TPP
- U Matrix Spike Low - Matrix Spike recovery below lower method limit, analyte chromatography reviewed manually for all samples.
Internal Standard concentration outside control limit due to matrix interference



Eric Wendt
Chief Science Officer - 5/12/2023

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This is for informational testing and is not compliance testing. Lab results apply to the sample as received.