



# Green Leaf Lab®

12025 NE Marx St. Portland, OR 97220  
503-253-3511 / www.greenleaflabs.com  
License#: 10029074C70

## Quality Control Testing Official Report

### D8 Distillate Slab

Sample ID: G0K0522-05

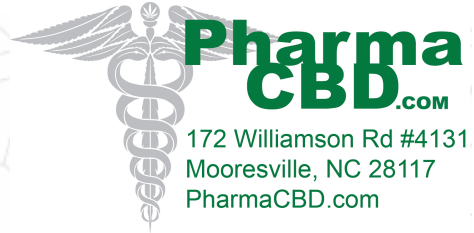
Matrix: Hemp Extracts &

Test ID: 5009583

Source ID:

Date Sampled: 11/23/20

Date Accepted: 11/23/20



172 Williamson Rd #4131  
 Mooresville, NC 28117  
 PharmaCBD.com

**PHARMA CBD**

### Results at a Glance

Total THC : <LOQ (0.6307%) %

Total CBD : <LOQ (0.1725%) %

delta 8-THC : 83.44 % PASS

Pesticides : PASS

Residual Solvent Analysis : PASS

Total Terpenes : 0.2855 % PASS



Eric Wendt  
Chief Science Officer - 12/3/2020

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### D8 Distillate Slab

Sample ID: G0K0522-05

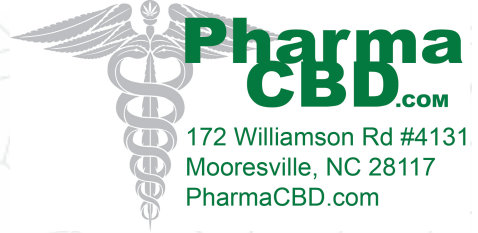
Matrix: Hemp Extracts &

Test ID: 5009583

Source ID:

Date Sampled: 11/23/20

Date Accepted: 11/23/20



**PHARMA CBD**

### Potency Analysis

Date/Time Extracted: 11/25/20 13:34

Analysis Method/SOP: 215

Batch Identification: 2048034

Cannabinoids	LOQ (%)	% by Wt.	mg/g	Cannabinoids Profile
Total THC	0.6307	< LOQ	< LOQ	
Total CBD	0.1725	< LOQ	< LOQ	
THCA	0.2428	< LOQ	< LOQ	
delta 9-THC	0.6307	< LOQ	< LOQ	
delta 8-THC	0.3736	83.44	834.4	
Exo-THC	0.0868	< LOQ	< LOQ	
THCV	0.4207	< LOQ	< LOQ	
THCVA	0.1567	< LOQ	< LOQ	
CBD	0.1295	< LOQ	< LOQ	
CBDA	0.1725	< LOQ	< LOQ	
CBDV	0.4160	< LOQ	< LOQ	
CBDVA	0.1364	< LOQ	< LOQ	
CBN	0.2489	< LOQ	< LOQ	
CBG	0.0655	< LOQ	< LOQ	
CBGA	0.0655	< LOQ	< LOQ	
CBC	0.0746	< LOQ	< LOQ	
<b>Total Cannabinoids</b>		<b>83.44</b>	<b>834.4</b>	

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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### D8 Distillate Slab

Sample ID: G0K0522-05

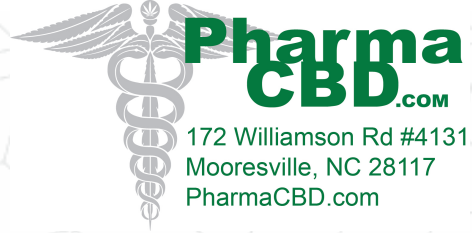
Matrix: Hemp Extracts &

Test ID: 5009583

Source ID:

Date Sampled: 11/23/20

Date Accepted: 11/23/20



**PHARMA CBD**

### Terpene Analysis

Date/Time Extracted: 11/25/20 13:34

Analysis Method/SOP: 204

Monoterpenes	%	mg/g	Monoterpenes	%	mg/g
Camphene	< LOQ	< LOQ	Camphor	< LOQ	< LOQ
3-Carene	< LOQ	< LOQ	alpha-Cedrene	0.1076	1.076
Cedrol	< LOQ	< LOQ	Endo-fenchyl alcohol	< LOQ	< LOQ
Eucalyptol	< LOQ	< LOQ	Fenchone	< LOQ	< LOQ
Geraniol	< LOQ	< LOQ	Geranyl acetate	< LOQ	< LOQ
Hexahydrothymol	< LOQ	< LOQ	Isoborneol	< LOQ	< LOQ
Isopulegol	< LOQ	< LOQ	Limonene	0.1375	1.375
Linalool	< LOQ	< LOQ	p-Mentha-1,5-diene	< LOQ	< LOQ
beta-Myrcene	< LOQ	< LOQ	alpha-Pinene	< LOQ	< LOQ
beta-Pinene	< LOQ	< LOQ	Pulegone	< LOQ	< LOQ
Sabinene	0.03360	0.336	Sabinene hydrate	< LOQ	< LOQ
gamma-Terpinene	< LOQ	< LOQ	alpha-Terpinene	< LOQ	< LOQ
Terpineol	< LOQ	< LOQ	Terpinolene	< LOQ	< LOQ
B Y-Terpineol	< LOQ	< LOQ	Nerol	< LOQ	< LOQ
A-Terpineol	< LOQ	< LOQ	Borneol	< LOQ	< LOQ
Ocimene isomer II	< LOQ	< LOQ	Ocimene isomer I	< LOQ	< LOQ
Sesquiterpenes	%	mg/g	Sesquiterpenes	%	mg/g
alpha-Bisabolol	< LOQ	< LOQ	beta-Caryophyllene	< LOQ	< LOQ
Caryophyllene Oxide	< LOQ	< LOQ	Guaiol	< LOQ	< LOQ
alpha-Humulene	0.006761	0.06761	trans-Nerolidol	< LOQ	< LOQ
Valencene	< LOQ	< LOQ	cis-Nerolidol	< LOQ	< LOQ
<b>Total Terpenes</b>	<b>0.2855</b>	<b>2.855</b>			

<LOQ - Results below the Limit of Quantitation - Terpenes profile/analysis are not accredited to ORELAP TNI 2009 Quality Standards.



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Chief Science Officer - 12/3/2020

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### D8 Distillate Slab

Sample ID: G0K0522-05

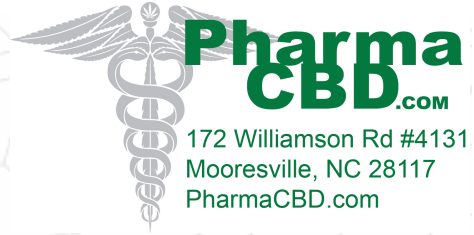
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Test ID: 5009583

Source ID:

Date Sampled: 11/23/20

Date Accepted: 11/23/20

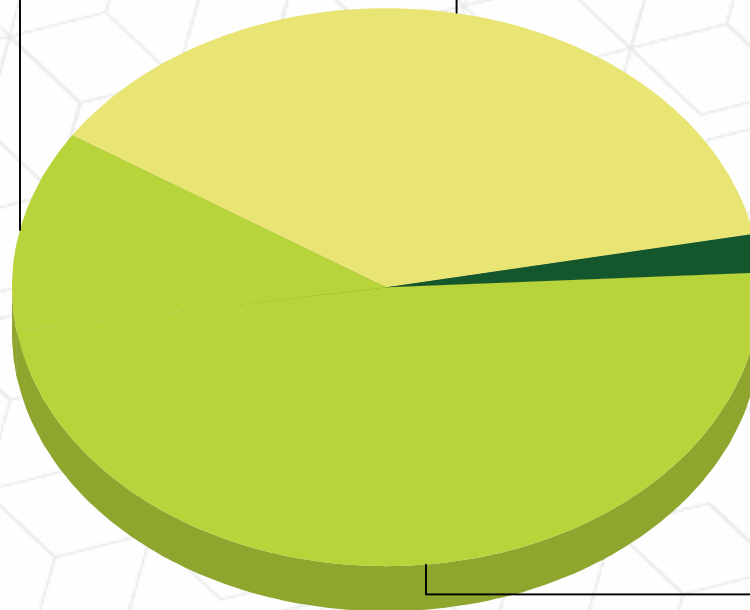


**PHARMA CBD**

### Terpene Profile

Sabinene

alpha-Cedrene  
alpha-Humulene



Limonene

### Percentage of Total Terpenes Identified



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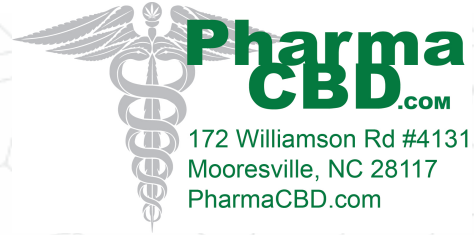
Matrix: Hemp Extracts &

Test ID: 5009583

Source ID:

Date Sampled: 11/23/20

Date Accepted: 11/23/20



**PHARMA CBD**

### Pesticide Analysis in ppm

Date/Time Extracted: 11/25/20 11:17  
Analysis Method/SOP: 202

Analyte	Result	Action Level	LOD	LOQ	Units	Analyte	Result	Action Level	LOD	LOQ	Units
Abamectin	< LOQ	0.5		0.4	ppm	Acephate	< LOQ	0.4		0.06	ppm
Acequinocyl	< LOQ	2		0.4	ppm	Acetamiprid	< LOQ	0.2		0.06	ppm
Aldicarb	< LOQ	0.4		0.06	ppm	Azoxystrobin	< LOQ	0.2		0.06	ppm
Bifenazate	< LOQ	0.2		0.06	ppm	Bifenthrin	< LOQ	0.2		0.06	ppm
Boscalid	< LOQ	0.4		0.06	ppm	Carbaryl	< LOQ	0.2		0.06	ppm
Carbofuran	< LOQ	0.2		0.06	ppm	Chlorantraniliprole	< LOQ	0.2		0.06	ppm
Chlorfenapyr	< LOQ	1		0.4	ppm	Chlorpyrifos	< LOQ	0.2		0.06	ppm
Clofentezine	< LOQ	0.2		0.06	ppm	Cyfluthrin	< LOQ	1		0.06	ppm
Cypermethrin	< LOQ	1		0.4	ppm	Daminozide	< LOQ	1		0.06	ppm
DDVP (Dichlorvos)	< LOQ	1		0.06	ppm	Diazinon	< LOQ	0.2		0.06	ppm
Dimethoate	< LOQ	0.2		0.06	ppm	Ethoprophos	< LOQ	0.2		0.06	ppm
Etofenprox	< LOQ	0.4		0.06	ppm	Etoxazole	< LOQ	0.2		0.06	ppm
Fenoxycarb	< LOQ	0.2		0.06	ppm	Fenpyroximate	< LOQ	0.4		0.06	ppm
Fipronil	< LOQ	0.4		0.1	ppm	Flonicamid	< LOQ	1		0.06	ppm
Fludioxonil	< LOQ	0.4		0.06	ppm	Fludioxonil	< LOQ	0.4		0.06	ppm
Hexythiazox	< LOQ	1		0.1	ppm	Imazalil	< LOQ	0.2		0.06	ppm
Imidacloprid	< LOQ	0.4		0.06	ppm	Kresoxim-methyl	< LOQ	0.4		0.1	ppm
Malathion	< LOQ	0.2		0.06	ppm	Metalaxyl	< LOQ	0.2		0.06	ppm
Methiocarb	< LOQ	0.2		0.06	ppm	Methomyl	< LOQ	0.4		0.06	ppm
Methyl parathion	< LOQ	0.2		0.06	ppm	MGK-264	< LOQ	0.2		0.06	ppm
Myclobutanil	< LOQ	0.2		0.06	ppm	Naled	< LOQ	0.5		0.06	ppm
Oxamyl	< LOQ	1		0.06	ppm	Paclobutrazol	< LOQ	0.4		0.06	ppm
Permethrins	< LOQ	0.2		0.06	ppm	Phosmet	< LOQ	0.2		0.06	ppm
Piperonyl butoxide	< LOQ	2		0.9	ppm	Prallethrin	< LOQ	0.2		0.06	ppm
Propiconazole	< LOQ	0.4		0.06	ppm	Propoxur	< LOQ	0.2		0.06	ppm
Pyrethrins	< LOQ	1		0.06	ppm	Pyridaben	< LOQ	0.2		0.06	ppm
Spinosad	< LOQ	0.2		0.06	ppm	Spiromesifen	< LOQ	0.2		0.06	ppm
Spirotetramat	< LOQ	0.2		0.06	ppm	Spiroxamine	< LOQ	0.4		0.06	ppm
Tebuconazole	< LOQ	0.4		0.06	ppm	Thiacloprid	< LOQ	0.2		0.06	ppm
Thiamethoxam	< LOQ	0.2		0.06	ppm	Trifloxystrobin	< LOQ	0.2		0.06	ppm

ND - Compound not detected

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



Eric Wendt  
Chief Science Officer - 12/3/2020

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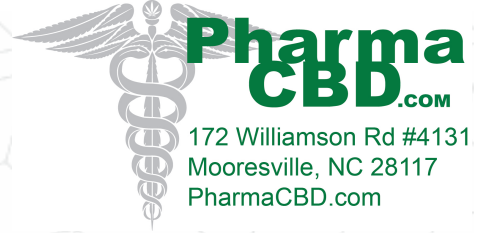
Matrix: Hemp Extracts &

Test ID: 5009583

Source ID:

Date Sampled: 11/23/20

Date Accepted: 11/23/20



**PHARMA CBD**

### Residual Solvents

Date/Time Extracted: 11/25/20 11:21

Analysis Method/SOP: 205

Analyte	Result	Action Level	LOD	LOQ	Units
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**.



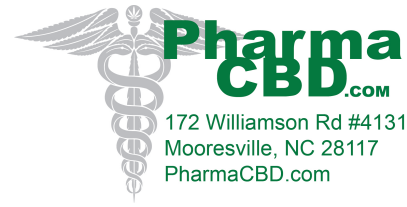
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### Quality Control Potency



Batch: 2048034 - 215-Concentrates

Blank(2048034-BLK1)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
THCA	< LOQ	0.0607	%		11/25/20 13:34	11/28/20 19:04
delta 9-THC	< LOQ	0.1577	%		11/25/20 13:34	11/28/20 19:04
delta 8-THC	< LOQ	0.0934	%		11/25/20 13:34	11/28/20 19:04
Exo-THC	< LOQ	0.0217	%		11/25/20 13:34	11/28/20 19:04
THCV	< LOQ	0.1052	%		11/25/20 13:34	11/28/20 19:04
THCVA	< LOQ	0.0392	%		11/25/20 13:34	11/28/20 19:04
CBD	< LOQ	0.0324	%		11/25/20 13:34	11/28/20 19:04
CBDA	< LOQ	0.0431	%		11/25/20 13:34	11/28/20 19:04
CBDV	< LOQ	0.1040	%		11/25/20 13:34	11/28/20 19:04
CBDVA	< LOQ	0.0341	%		11/25/20 13:34	11/28/20 19:04
CBN	< LOQ	0.0622	%		11/25/20 13:34	11/28/20 19:04
CBG	< LOQ	0.0164	%		11/25/20 13:34	11/28/20 19:04
CBGA	< LOQ	0.0164	%		11/25/20 13:34	11/28/20 19:04
CBC	< LOQ	0.0186	%		11/25/20 13:34	11/28/20 19:04

Reference(2048034-SRM1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
THCA	86.2	0.0291	%	80-120	11/25/20 13:34	11/28/20 19:04
delta 9-THC	91.5	0.0757	%	80-120	11/25/20 13:34	11/28/20 19:04
CBD	90.7	0.0155	%	80-120	11/25/20 13:34	11/28/20 19:04
CBDA	88.3	0.0207	%	80-120	11/25/20 13:34	11/28/20 19:04

### Pesticide Analysis

Batch: 2048030 - 202

Blank(2048030-BLK1)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Abamectin	< LOQ	0.4	ppm		11/25/20 11:17	11/25/20 23:46
DDVP (Dichlorvos)	< LOQ	0.06	ppm		11/25/20 11:17	11/25/20 18:09
Acephate	< LOQ	0.06	ppm		11/25/20 11:17	11/25/20 23:46
Acequinocyl	< LOQ	0.4	ppm		11/25/20 11:17	11/25/20 23:46
Acetamiprid	< LOQ	0.06	ppm		11/25/20 11:17	11/25/20 23:46
Aldicarb	< LOQ	0.06	ppm		11/25/20 11:17	11/25/20 23:46
Azoxystrobin	< LOQ	0.06	ppm		11/25/20 11:17	11/25/20 23:46
Bifenazate	< LOQ	0.06	ppm		11/25/20 11:17	11/25/20 23:46
Bifenthrin	< LOQ	0.06	ppm		11/25/20 11:17	11/25/20 23:46
Boscalid	< LOQ	0.06	ppm		11/25/20 11:17	11/25/20 18:09
Carbaryl	< LOQ	0.06	ppm		11/25/20 11:17	11/25/20 23:46
Carbofuran	< LOQ	0.06	ppm		11/25/20 11:17	11/25/20 23:46
Chlorantraniliprole	< LOQ	0.06	ppm		11/25/20 11:17	11/25/20 23:46



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### Quality Control Pesticide Analysis (Continued)



Batch: 2048030 - 202 (Continued)

Blank(2048030-BLK1)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Chlorfenapyr	< LOQ	0.4	ppm		11/25/20 11:17	11/25/20 18:09
Chlorpyrifos	< LOQ	0.06	ppm		11/25/20 11:17	11/25/20 23:46
Clofentezine	< LOQ	0.06	ppm		11/25/20 11:17	11/25/20 23:46
Daminozide	< LOQ	0.06	ppm		11/25/20 11:17	11/25/20 23:46
Cyfluthrin	< LOQ	0.06	ppm		11/25/20 11:17	11/25/20 18:09
Diazinon	< LOQ	0.06	ppm		11/25/20 11:17	11/25/20 23:46
Cypermethrin	< LOQ	0.4	ppm		11/25/20 11:17	11/25/20 18:09
Dimethoate	< LOQ	0.06	ppm		11/25/20 11:17	11/25/20 23:46
Ethoprophos	< LOQ	0.06	ppm		11/25/20 11:17	11/25/20 23:46
Etofenprox	< LOQ	0.06	ppm		11/25/20 11:17	11/25/20 23:46
Etoxazole	< LOQ	0.06	ppm		11/25/20 11:17	11/25/20 23:46
Fenoxycarb	< LOQ	0.06	ppm		11/25/20 11:17	11/25/20 23:46
Fenpyroximate	< LOQ	0.06	ppm		11/25/20 11:17	11/25/20 23:46
Fonicamid	< LOQ	0.06	ppm		11/25/20 11:17	11/25/20 23:46
Fludioxonil	< LOQ	0.06	ppm		11/25/20 11:17	11/25/20 23:46
Hexythiazox	< LOQ	0.1	ppm		11/25/20 11:17	11/25/20 23:46
Imazalil	< LOQ	0.06	ppm		11/25/20 11:17	11/25/20 23:46
Fipronil	< LOQ	0.1	ppm		11/25/20 11:17	11/25/20 18:09
Imidacloprid	< LOQ	0.06	ppm		11/25/20 11:17	11/25/20 23:46
Fludioxonil	< LOQ	0.06	ppm		11/25/20 11:17	11/25/20 18:09
Metalaxyl	< LOQ	0.06	ppm		11/25/20 11:17	11/25/20 23:46
Methiocarb	< LOQ	0.06	ppm		11/25/20 11:17	11/25/20 23:46
Methomyl	< LOQ	0.06	ppm		11/25/20 11:17	11/25/20 23:46
Myclobutanil	< LOQ	0.06	ppm		11/25/20 11:17	11/25/20 23:46
Kresoxim-methyl	< LOQ	0.1	ppm		11/25/20 11:17	11/25/20 18:09
Naled	< LOQ	0.06	ppm		11/25/20 11:17	11/25/20 23:46
Malathion	< LOQ	0.06	ppm		11/25/20 11:17	11/25/20 18:09
Oxamyl	< LOQ	0.06	ppm		11/25/20 11:17	11/25/20 23:46
Paclobutrazol	< LOQ	0.06	ppm		11/25/20 11:17	11/25/20 23:46
Methyl parathion	< LOQ	0.06	ppm		11/25/20 11:17	11/25/20 18:09
MGK-264	< LOQ	0.06	ppm		11/25/20 11:17	11/25/20 18:09
Phosmet	< LOQ	0.06	ppm		11/25/20 11:17	11/25/20 23:46
Piperonyl butoxide	< LOQ	0.9	ppm		11/25/20 11:17	11/25/20 23:46
Prallethrin	< LOQ	0.06	ppm		11/25/20 11:17	11/25/20 23:46
Propoxur	< LOQ	0.06	ppm		11/25/20 11:17	11/25/20 23:46
Permethrins	< LOQ	0.06	ppm		11/25/20 11:17	11/25/20 18:09
Pyrethrins	< LOQ	0.06	ppm		11/25/20 11:17	11/25/20 23:46
Pyridaben	< LOQ	0.06	ppm		11/25/20 11:17	11/25/20 23:46



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### Quality Control Pesticide Analysis (Continued)



Batch: 2048030 - 202 (Continued)

Blank(2048030-BLK1)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Propiconazole	< LOQ	0.06	ppm		11/25/20 11:17	11/25/20 18:09
Spinosad	< LOQ	0.06	ppm		11/25/20 11:17	11/25/20 23:46
Spiromesifen	< LOQ	0.06	ppm		11/25/20 11:17	11/25/20 23:46
Spirotetramat	< LOQ	0.06	ppm		11/25/20 11:17	11/25/20 23:46
Spiroxamine	< LOQ	0.06	ppm		11/25/20 11:17	11/25/20 23:46
Tebuconazole	< LOQ	0.06	ppm		11/25/20 11:17	11/25/20 23:46
Thiacloprid	< LOQ	0.06	ppm		11/25/20 11:17	11/25/20 23:46
Thiamethoxam	< LOQ	0.06	ppm		11/25/20 11:17	11/25/20 23:46
Trifloxystrobin	< LOQ	0.06	ppm		11/25/20 11:17	11/25/20 23:46

LCS(2048030-BS1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Abamectin	86.2	0.4	ppm	70-130	11/25/20 11:17	11/26/20 00:09
DDVP (Dichlorvos)	109	0.06	ppm	70-130	11/25/20 11:17	11/25/20 18:31
Acephate	90.2	0.06	ppm	70-130	11/25/20 11:17	11/26/20 00:09
Acequinocyl	22.4	0.4	ppm	5.57-33.8	11/25/20 11:17	11/26/20 00:09
Acetamiprid	103	0.06	ppm	70-130	11/25/20 11:17	11/26/20 00:09
Aldicarb	109	0.06	ppm	70-130	11/25/20 11:17	11/26/20 00:09
Azoxystrobin	106	0.06	ppm	70-130	11/25/20 11:17	11/26/20 00:09
Bifenazate	108	0.06	ppm	70-130	11/25/20 11:17	11/26/20 00:09
Bifenthrin	94.0	0.06	ppm	70-130	11/25/20 11:17	11/26/20 00:09
Boscalid	79.3	0.06	ppm	70-130	11/25/20 11:17	11/25/20 18:31
Carbaryl	100	0.06	ppm	70-130	11/25/20 11:17	11/26/20 00:09
Carbofuran	105	0.06	ppm	70-130	11/25/20 11:17	11/26/20 00:09
Chlorantraniliprole	48.8	0.06	ppm	70-130	11/25/20 11:17	11/26/20 00:09
Chlorfenapyr	115	0.4	ppm	70-130	11/25/20 11:17	11/25/20 18:31
Chlorpyrifos	92.6	0.06	ppm	70-130	11/25/20 11:17	11/26/20 00:09
Clofentezine	8.35	0.06	ppm	14.4-62.3	11/25/20 11:17	11/26/20 00:09
Daminozide		0.06	ppm	0-100	11/25/20 11:17	11/26/20 00:09
Cyfluthrin	75.3	0.06	ppm	70-130	11/25/20 11:17	11/25/20 18:31
Diazinon	99.3	0.06	ppm	70-130	11/25/20 11:17	11/26/20 00:09
Cypermethrin	96.9	0.4	ppm	70-130	11/25/20 11:17	11/25/20 18:31
Dimethoate	104	0.06	ppm	70-130	11/25/20 11:17	11/26/20 00:09
Ethoprophos	101	0.06	ppm	70-130	11/25/20 11:17	11/26/20 00:09
Etofenprox	91.9	0.06	ppm	70-130	11/25/20 11:17	11/26/20 00:09
Etoxazole	99.9	0.06	ppm	70-130	11/25/20 11:17	11/26/20 00:09
Fenoxycarb	99.7	0.06	ppm	70-130	11/25/20 11:17	11/26/20 00:09
Fenpyroximate	55.2	0.06	ppm	70-130	11/25/20 11:17	11/26/20 00:09
Fonicamid	65.1	0.06	ppm	70-130	11/25/20 11:17	11/26/20 00:09



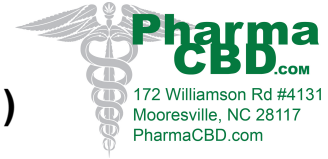
Eric Wendt  
Chief Science Officer - 12/3/2020

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### Quality Control Pesticide Analysis (Continued)



Batch: 2048030 - 202 (Continued)

LCS(2048030-BS1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Fludioxonil	106	0.06	ppm	70-130	11/25/20 11:17	11/26/20 00:09
Hexythiazox	112	0.1	ppm	70-130	11/25/20 11:17	11/26/20 00:09
Imazalil	55.9	0.06	ppm	57.9-96.4	11/25/20 11:17	11/26/20 00:09
Fipronil	95.4	0.1	ppm	70-130	11/25/20 11:17	11/25/20 18:31
Imidacloprid	112	0.06	ppm	70-130	11/25/20 11:17	11/26/20 00:09
Fludioxonil	95.0	0.06	ppm	70-130	11/25/20 11:17	11/25/20 18:31
Metalaxyl	102	0.06	ppm	70-130	11/25/20 11:17	11/26/20 00:09
Methiocarb	106	0.06	ppm	70-130	11/25/20 11:17	11/26/20 00:09
Methomyl	74.0	0.06	ppm	70-130	11/25/20 11:17	11/26/20 00:09
Myclobutanil	104	0.06	ppm	70-130	11/25/20 11:17	11/26/20 00:09
Kresoxim-methyl	101	0.1	ppm	70-130	11/25/20 11:17	11/25/20 18:31
Naled	95.3	0.06	ppm	70-130	11/25/20 11:17	11/26/20 00:09
Malathion	90.2	0.06	ppm	70-130	11/25/20 11:17	11/25/20 18:31
Oxamyl	101	0.06	ppm	70-130	11/25/20 11:17	11/26/20 00:09
Paclobutrazol	102	0.06	ppm	70-130	11/25/20 11:17	11/26/20 00:09
Methyl parathion	101	0.06	ppm	70-130	11/25/20 11:17	11/25/20 18:31
MGK-264	106	0.06	ppm	70-130	11/25/20 11:17	11/25/20 18:31
Phosmet	93.6	0.06	ppm	70-130	11/25/20 11:17	11/26/20 00:09
Piperonyl butoxide	93.9	0.9	ppm	70-130	11/25/20 11:17	11/26/20 00:09
Prallethrin	100	0.06	ppm	70-130	11/25/20 11:17	11/26/20 00:09
Propoxur	105	0.06	ppm	70-130	11/25/20 11:17	11/26/20 00:09
Permethrins	84.3	0.06	ppm	70-130	11/25/20 11:17	11/25/20 18:31
Pyrethrins	64.4	0.06	ppm	70-130	11/25/20 11:17	11/26/20 00:09
Pyridaben	104	0.06	ppm	70-130	11/25/20 11:17	11/26/20 00:09
Propiconazole	105	0.06	ppm	70-130	11/25/20 11:17	11/25/20 18:31
Spinosad	74.9	0.06	ppm	70-130	11/25/20 11:17	11/26/20 00:09
Spiromesifen	107	0.06	ppm	70-130	11/25/20 11:17	11/26/20 00:09
Spirotetramat	111	0.06	ppm	70-130	11/25/20 11:17	11/26/20 00:09
Spiroxamine	91.7	0.06	ppm	70-130	11/25/20 11:17	11/26/20 00:09
Tebuconazole	82.4	0.06	ppm	70-130	11/25/20 11:17	11/26/20 00:09
Thiacloprid	105	0.06	ppm	70-130	11/25/20 11:17	11/26/20 00:09
Thiamethoxam	108	0.06	ppm	70-130	11/25/20 11:17	11/26/20 00:09
Trifloxystrobin	101	0.06	ppm	70-130	11/25/20 11:17	11/26/20 00:09

### Solvent Analysis

Batch: 2048031 - 205

Blank(2048031-BLK1)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed



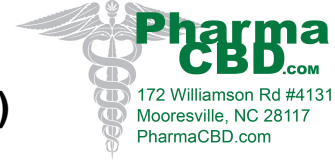
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### Quality Control Solvent Analysis (Continued)



Batch: 2048031 - 205 (Continued)

Blank(2048031-BLK1)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Acetone	< LOQ	1000	ppm		11/25/20 11:21	11/28/20 08:42
Acetonitrile	< LOQ	50.00	ppm		11/25/20 11:21	11/28/20 08:42
Benzene	< LOQ	1.000	ppm		11/25/20 11:21	11/28/20 08:42
Butanes	< LOQ	1000	ppm		11/25/20 11:21	11/28/20 08:42
2-Butanol	< LOQ	1000	ppm		11/25/20 11:21	11/28/20 08:42
Cumene	< LOQ	35.00	ppm		11/25/20 11:21	11/28/20 08:42
Cyclohexane	< LOQ	50.00	ppm		11/25/20 11:21	11/28/20 08:42
Dichloromethane	< LOQ	50.00	ppm		11/25/20 11:21	11/28/20 08:42
1,4-Dioxane	< LOQ	50.00	ppm		11/25/20 11:21	11/28/20 08:42
2-Ethoxyethanol	< LOQ	80.00	ppm		11/25/20 11:21	11/28/20 08:42
Ethyl acetate	< LOQ	1000	ppm		11/25/20 11:21	11/28/20 08:42
Ethyl benzene	< LOQ	35.00	ppm		11/25/20 11:21	11/28/20 08:42
Ethylene glycol	< LOQ	310.0	ppm		11/25/20 11:21	11/28/20 08:42
Ethylene oxide	< LOQ	25.00	ppm		11/25/20 11:21	11/28/20 08:42
Ethyl ether	< LOQ	1000	ppm		11/25/20 11:21	11/28/20 08:42
Heptane	< LOQ	1000	ppm		11/25/20 11:21	11/28/20 08:42
Hexanes	< LOQ	50.00	ppm		11/25/20 11:21	11/28/20 08:42
Isopropyl acetate	< LOQ	1000	ppm		11/25/20 11:21	11/28/20 08:42
Methanol	< LOQ	1000	ppm		11/25/20 11:21	11/28/20 08:42
Pentanes	< LOQ	1000	ppm		11/25/20 11:21	11/28/20 08:42
Propane	< LOQ	1000	ppm		11/25/20 11:21	11/28/20 08:42
2-Propanol (IPA)	< LOQ	1000	ppm		11/25/20 11:21	11/28/20 08:42
Tetrahydrofuran	< LOQ	50.00	ppm		11/25/20 11:21	11/28/20 08:42
Toluene	< LOQ	50.00	ppm		11/25/20 11:21	11/28/20 08:42
Xylenes	< LOQ	50.00	ppm		11/25/20 11:21	11/28/20 08:42

LCS(2048031-BS1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Acetone	106	1000	ppm	70-130	11/25/20 11:21	11/25/20 18:13
Acetonitrile	110	50.00	ppm	70-130	11/25/20 11:21	11/25/20 18:13
Benzene	87.1	1.000	ppm	70-130	11/25/20 11:21	11/25/20 18:13
n-Butane	96.2	50.00	ppm	70-130	11/25/20 11:21	11/25/20 18:13
Butanes	93.5	1000	ppm	70-130	11/25/20 11:21	11/25/20 18:13
2-Butanol	112	1000	ppm	70-130	11/25/20 11:21	11/25/20 18:13
Cumene	125	35.00	ppm	70-130	11/25/20 11:21	11/25/20 18:13
Cyclohexane	106	50.00	ppm	70-130	11/25/20 11:21	11/25/20 18:13
Dichloromethane	107	50.00	ppm	70-130	11/25/20 11:21	11/25/20 18:13
1,4-Dioxane	115	50.00	ppm	70-130	11/25/20 11:21	11/25/20 18:13
2-Ethoxyethanol	117	80.00	ppm	70-130	11/25/20 11:21	11/25/20 18:13



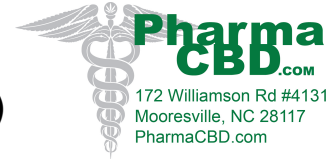
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Chief Science Officer - 12/3/2020

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### Quality Control Solvent Analysis (Continued)



Batch: 2048031 - 205 (Continued)

LCS(2048031-BS1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Ethyl acetate	112	1000	ppm	70-130	11/25/20 11:21	11/25/20 18:13
Ethyl benzene	114	35.00	ppm	70-130	11/25/20 11:21	11/25/20 18:13
Ethylene glycol	120	310.0	ppm	70-130	11/25/20 11:21	11/25/20 18:13
Ethylene oxide	104	25.00	ppm	70-130	11/25/20 11:21	11/25/20 18:13
Ethyl ether	103	1000	ppm	70-130	11/25/20 11:21	11/25/20 18:13
Heptane	108	1000	ppm	70-130	11/25/20 11:21	11/25/20 18:13
n-Hexane	104	50.00	ppm	70-130	11/25/20 11:21	11/25/20 18:13
Hexanes	103	50.00	ppm	70-130	11/25/20 11:21	11/25/20 18:13
iso-Butane	90.9	50.00	ppm	70-130	11/25/20 11:21	11/25/20 18:13
Isopropyl acetate	116	1000	ppm	70-130	11/25/20 11:21	11/25/20 18:13
iso-Pentane	96.5	50.00	ppm	70-130	11/25/20 11:21	11/25/20 18:13
Methanol	105	1000	ppm	70-130	11/25/20 11:21	11/25/20 18:13
2-Methylpentane	104	50.00	ppm	70-130	11/25/20 11:21	11/25/20 18:13
3-Methylpentane	103	50.00	ppm	70-130	11/25/20 11:21	11/25/20 18:13
neo-Pentane	98.6	50.00	ppm	70-130	11/25/20 11:21	11/25/20 18:13
n-Pentane	98.4	50.00	ppm	70-130	11/25/20 11:21	11/25/20 18:13
Pentanes	97.8	1000	ppm	70-130	11/25/20 11:21	11/25/20 18:13
Propane	76.1	1000	ppm	70-130	11/25/20 11:21	11/25/20 18:13
2-Propanol (IPA)	111	1000	ppm	70-130	11/25/20 11:21	11/25/20 18:13
Tetrahydrofuran	106	50.00	ppm	70-130	11/25/20 11:21	11/25/20 18:13
Toluene	110	50.00	ppm	70-130	11/25/20 11:21	11/25/20 18:13

### Terpene Analysis

Batch: 2048034 - 215-Concentrates

Blank(2048034-BLK2)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
alpha-Bisabolol	< LOQ	2.500E-4	%		11/25/20 13:34	11/26/20 08:00
Camphene	< LOQ	2.500E-4	%		11/25/20 13:34	11/26/20 08:00
Camphor	< LOQ	2.500E-4	%		11/25/20 13:34	11/26/20 08:00
3-Carene	< LOQ	2.500E-4	%		11/25/20 13:34	11/26/20 08:00
beta-Caryophyllene	< LOQ	2.500E-4	%		11/25/20 13:34	11/26/20 08:00
Caryophyllene Oxide	< LOQ	2.500E-4	%		11/25/20 13:34	11/26/20 08:00
alpha-Cedrene	< LOQ	2.500E-4	%		11/25/20 13:34	11/26/20 08:00
Cedrol	< LOQ	2.500E-4	%		11/25/20 13:34	11/26/20 08:00
Endo-fenchyl alcohol	< LOQ	2.500E-4	%		11/25/20 13:34	11/26/20 08:00
Eucalyptol	< LOQ	2.500E-4	%		11/25/20 13:34	11/26/20 08:00
Fenchone	< LOQ	2.500E-4	%		11/25/20 13:34	11/26/20 08:00
Geraniol	< LOQ	2.500E-4	%		11/25/20 13:34	11/26/20 08:00



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### Quality Control Terpene Analysis (Continued)



Batch: 2048034 - 215-Concentrates (Continued)

Blank(2048034-BLK2)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Geranyl acetate	< LOQ	2.500E-4	%		11/25/20 13:34	11/26/20 08:00
Guaiol	< LOQ	2.500E-4	%		11/25/20 13:34	11/26/20 08:00
Hexahydrothymol	< LOQ	2.500E-4	%		11/25/20 13:34	11/26/20 08:00
alpha-Humulene	< LOQ	2.500E-4	%		11/25/20 13:34	11/26/20 08:00
Isoborneol	< LOQ	2.500E-4	%		11/25/20 13:34	11/26/20 08:00
Isopulegol	< LOQ	2.500E-4	%		11/25/20 13:34	11/26/20 08:00
Limonene	< LOQ	2.500E-4	%		11/25/20 13:34	11/26/20 08:00
Linalool	< LOQ	2.500E-4	%		11/25/20 13:34	11/26/20 08:00
p-Mentha-1,5-diene	< LOQ	2.500E-4	%		11/25/20 13:34	11/26/20 08:00
beta-Myrcene	< LOQ	2.500E-4	%		11/25/20 13:34	11/26/20 08:00
trans-Nerolidol	< LOQ	2.500E-4	%		11/25/20 13:34	11/26/20 08:00
alpha-Pinene	< LOQ	2.500E-4	%		11/25/20 13:34	11/26/20 08:00
beta-Pinene	< LOQ	2.500E-4	%		11/25/20 13:34	11/26/20 08:00
Pulegone	< LOQ	2.500E-4	%		11/25/20 13:34	11/26/20 08:00
Sabinene	< LOQ	2.500E-4	%		11/25/20 13:34	11/26/20 08:00
Sabinene hydrate	< LOQ	2.500E-4	%		11/25/20 13:34	11/26/20 08:00
gamma-Terpinene	< LOQ	2.500E-4	%		11/25/20 13:34	11/26/20 08:00
alpha-Terpinene	< LOQ	2.500E-4	%		11/25/20 13:34	11/26/20 08:00
Terpineol	< LOQ	2.500E-4	%		11/25/20 13:34	11/26/20 08:00
Terpinolene	< LOQ	2.500E-4	%		11/25/20 13:34	11/26/20 08:00
Valencene	< LOQ	2.500E-4	%		11/25/20 13:34	11/26/20 08:00
B Y-Terpineol	< LOQ	2.500E-4	%		11/25/20 13:34	11/26/20 08:00
Nerol	< LOQ	2.500E-4	%		11/25/20 13:34	11/26/20 08:00
A-Terpineol	< LOQ	2.500E-4	%		11/25/20 13:34	11/26/20 08:00
cis-Nerolidol	< LOQ	2.500E-4	%		11/25/20 13:34	11/26/20 08:00
Borneol	< LOQ	2.500E-4	%		11/25/20 13:34	11/26/20 08:00
Ocimene isomer II	< LOQ	2.500E-4	%		11/25/20 13:34	11/26/20 08:00
Ocimene isomer I	< LOQ	2.500E-4	%		11/25/20 13:34	11/26/20 08:00

Reference(2048034-SRM2)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
beta-Caryophyllene	73.0	1.200E-4	%	70-130	11/25/20 13:34	11/26/20 08:18
alpha-Humulene	64.3	1.200E-4	%	70-130	11/25/20 13:34	11/26/20 08:18
Limonene	66.0	1.200E-4	%	70-130	11/25/20 13:34	11/26/20 08:18
beta-Myrcene	68.9	1.200E-4	%	70-130	11/25/20 13:34	11/26/20 08:18
Terpinolene		1.200E-4	%	70-130	11/25/20 13:34	11/26/20 08:18



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