



Professional Testing Labs, Inc








4918 Crater Lake Ave.
 Medford, OR 97504
 (541) 816-4166
 OLCC# 10156338460

Certificate of Analysis

For OLCC/OHA regulatory compliance

Report Date: 05/19/2023

Sample Type: Hemp Flower	Client:	Date Received: 05/11/2023	Sampling Method: SOP 033
Metric Batch ID:	Metric Source ID:	Lab Sample ID:	Client Address:
Grower License #:	Testing Performed: PO, PE, WA, MC, MY	Comments and Descriptions:	

Potency		Brass Monkey			
	21.61%				
	Total THC's				
Moisture Content	Water Activity				
	Pass				Pass
Pesticides	Residual Solvents			Mycotoxins	Cannabinoid Ratios
	Pass				Not Tested
			Pass		
					
			Cannabinoids: 23.54% Total THC: 21.61% Total CBD: <LOQ% Total Minors: 1.85%		

Total THC and Total CBD are calculated in accordance with Oregon reporting requirement (OAR 333-064-0100). For cannabinoid analysis, only CBDA, CBD, THC, THCA, and Δ8-THC are ORELAP accredited analytes. Cannabinoid values reported for plant matter are corrected for dry weight. Oregon water activity action level is 0.65aw and moisture content action level is 15%. Pesticide limits determined by OAR 333-007-0400: Table 3. Residual Solvent limits determined by OAR 333-007-0410: Table 4. This report shall not be reproduced, unless in its entirety, without approval from Professional Testing Labs, Inc. Test results relate only to the sample material analyzed.

Approved by/date:


 Elijah Ballantyne
 Technical Director
 05/19/2023



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Brass Monkey			
Sample Type: Hemp Flower	Client:	Lab Sample ID:	Sampling Method: SOP 033
Metric Batch ID:	Address:	Grower License #:	Testing Performed:
Date Recieved: 05/11/2023	Harvest Date #:	Comments and Descriptions:	

Cannabinoid Analysis			
Date: 05/13/2023	Batch:	Analyst(s):	
Analyte	% Dry Weight	LOQ (%)	Notes
CBDA	<LOQ	0.095	
CBD	<LOQ	0.095	
THC	.288	0.095	
THCA	21.364	0.095	
CBDV	<LOQ	0.095	
CBGA	0.532	0.095	
CBG	<LOQ	0.095	
THCV	<LOQ	0.095	
CBN	0.205	0.095	
Δ8-THC	0.900	0.095	
Δ10-THC	<LOQ	0.095	
CBC	<LOQ	0.095	
CBCA	0.210	0.095	
Total CBD	<LOQ	(CBDA*0.877)+CBD= Total CBD	
Total THC	21.61	(THCA*0.877)+THC= Total THC	
Total Minors	1.847	SUM% of Minor Cannabinoids	
Total Cannabinoids	23.542	Sum % Cannabinoids = Total Cannabinoids	

Moisture Content - PASS		Water Activity - PASS	
Date: 05/13/2023		Date: 05/13/2023	
Analyst:	Method:	Analyst:	Method:
Moisture Content (%): 11.804		Water Activity (aw): 0.389	

LOQ = Limit of Quantitation, ND = Not Detected, NT = Not Tested. Total THC and Total CBD are calculated in accordance with Oregon reporting requirement (OAR 333-064-0100). For cannabinoid analysis, only CBDA, CBD, THC, THCA, and Δ8-THC are ORELAP accredited analytes. Cannabinoid values reported for plant matter are corrected for dry weight. Oregon water activity action level is 0.65aw and moisture content action level is 15%. Shown values have been rounded to 3 decimal digits, whereas calculations are performed with all available digits. LOQ Values based on LOQ study available upon request. This report shall not be reproduced, unless in its entirety, without approval from Professional Testing Labs, Inc. Test results relate only to the sample material analyzed.

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Cannabinoid Analysis - Pass

Date: 05/13/2023		Batch:		Prep Analyst:	Data Analyst:	SOP: 041
Analyte	% Dry Weight	LOQ (%)	Recovery Limits	Notes		
CBDA	<LOQ	0.05	<LOQ			
CBD	<LOQ	0.05	<LOQ			
THC	<LOQ	0.05	<LOQ			
THCA	<LOQ	0.05	<LOQ			
Δ8 THC	<LOQ	0.05	<LOQ			

Cannabinoid Analysis - Pass

Date: 05/13/2023		Batch:		Prep Analyst:	Data Analyst:	SOP: 041
Analyte	% Recovery	LOQ (%)	Recovery Limits	Notes		
CBDA	109.921	0.05	90-110%			
CBD	109.063	0.05	90-110%			
THC	109.067	0.05	90-110%			
THCA	107.706	0.05	90-110%			
Δ8 THC	109.915	0.05	90-110%			

LOQ = Limit of Quantitation, ND = Not Detected NT = Not Tested. Total THC and Total CBD are calculated in accordance with Oregon reporting requirement (OAR 333-064-0100). For cannabinoid analysis, only CBDA, CBD, THC, THCA, and Δ8-THC are ORELAP accredited analytes. Cannabinoid values reported for plant matter are corrected for dry weight.
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Date: 05/19/2023

Pesticide Analysis - Pass

Date: 05/14/2023		Batch:		Prep Analyst:		Data Analyst:		SOP: 049
Analyte	Result (ppm)	Action Level	LOQ (ppm)	Analyte	Result (ppm)	Action Level	LOQ (ppm)	
Abamectin	<LOQ	0.5	0.25	Imazalil	<LOQ	0.2	0.1	
Acephate	<LOQ	0.4	0.2	Imidacloprid	<LOQ	0.4	0.2	
Acequinocyl	<LOQ	2.0	1.0	Kresoxim-Methyl	<LOQ	0.4	0.2	
Acetamiprid	<LOQ	0.2	0.1	MGK-264	<LOQ	0.2	0.1	
Aldicarb	<LOQ	0.4	0.2	Malathion	<LOQ	0.2	0.1	
Azoxystrobin	<LOQ	0.2	0.1	Metalaxyl	<LOQ	0.2	0.1	
Bifenazate	<LOQ	0.2	0.1	Methiocarb	<LOQ	0.4	0.2	
Bifenthrin	<LOQ	0.2	0.1	Methomyl	<LOQ	0.2	0.1	
Boscalid	<LOQ	0.4	0.2	Methyl Parathion	<LOQ	0.2	0.1	
Carbaryl	<LOQ	0.2	0.1	Myclobutanil	<LOQ	0.2	0.1	
Carbofuran	<LOQ	0.2	0.1	Naled	<LOQ	0.5	0.25	
Chlorantraniliprole	<LOQ	0.2	0.1	Oxamyl	<LOQ	1.0	0.5	
Chlorfenapyr	<LOQ	1.0	0.5	Paclobutrazol	<LOQ	0.4	0.2	
Chlorpyrifos	<LOQ	0.2	0.1	Permethrins ¹	<LOQ	0.2	0.1	
Clofentezine	<LOQ	0.2	0.1	Phosmet	<LOQ	0.2	0.1	
Cyfluthrin	<LOQ	1.0	0.5	Piperonyl Butoxide	<LOQ	2.0	1.0	
Cypermethrin	<LOQ	1.0	0.5	Prallethrin	<LOQ	0.2	0.1	
Daminozide	<LOQ	1.0	0.5	Propiconazole	<LOQ	0.4	0.2	
Diazinon	<LOQ	0.2	0.1	Propoxur	<LOQ	0.2	0.1	
Dichlorvos	<LOQ	1.0	0.5	Pyrethrins ²	<LOQ	1.0	0.5	
Dimethoate	<LOQ	0.2	0.1	Pyridaben	<LOQ	0.2	0.1	
Ethoprophos	<LOQ	0.2	0.1	Spinosad ³	<LOQ	0.2	0.1	
Etofenprox	<LOQ	0.4	0.2	Spiromesifen	<LOQ	0.2	0.1	
Etoxazole	<LOQ	0.2	0.1	Spirotetramat	<LOQ	0.2	0.1	
Fenoxycarb	<LOQ	0.2	0.1	Spiroxamine	<LOQ	0.4	0.2	
Fenpyroximate	<LOQ	0.4	0.2	Tebuconazole	<LOQ	0.4	0.2	
Fipronil	<LOQ	0.4	0.2	Thiacloprid	<LOQ	0.2	0.1	
Flonicamid	<LOQ	1.0	0.5	Thiamethoxam	<LOQ	0.2	0.1	
Fludioxonil	<LOQ	0.4	0.2	Trifloxystrobin	<LOQ	0.2	0.1	
Hexythiazox	<LOQ	1.0	0.5					

¹ Permethrins are measured as the cumulative residues of cis and trans isomers.

² Pyrethrins are measured as the cumulative residues of pyrethrin 1, cinerin 1, and jamaolin 1.

³ Spinosad is calculated as a sum of isomers Spinosad A and Spinosad D.

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Pesticide Analysis - Pass

Date: 05/14/2023		Batch:		Prep Analyst:	Data Analyst:		SOP: 049
Analyte	Result (ppm)	Recovery Limits (%)	LOQ (ppm)	Analyte	Result (ppm)	Recovery Limits (%)	LOQ (ppm)
Abamectin	<LOQ	<LOQ	0.25	Imazalil	<LOQ	<LOQ	0.1
Acephate	<LOQ	<LOQ	0.2	Imidacloprid	<LOQ	<LOQ	0.2
Acequinocyl	<LOQ	<LOQ	1.0	Kresoxim-methyl	<LOQ	<LOQ	0.2
Acetamiprid	<LOQ	<LOQ	0.1	MGK-264	<LOQ	<LOQ	0.1
Aldicarb	<LOQ	<LOQ	0.2	Malathion	<LOQ	<LOQ	0.1
Azoxystrobin	<LOQ	<LOQ	0.1	Metalaxyl	<LOQ	<LOQ	0.1
Bifenazate	<LOQ	<LOQ	0.1	Methiocarb	<LOQ	<LOQ	0.2
Bifenthrin	<LOQ	<LOQ	0.1	Methomyl	<LOQ	<LOQ	0.1
Boscalid	<LOQ	<LOQ	0.2	Methyl Parathion	<LOQ	<LOQ	0.1
Carbaryl	<LOQ	<LOQ	0.1	Myclobutanil	<LOQ	<LOQ	0.1
Carbofuran	<LOQ	<LOQ	0.1	Naled	<LOQ	<LOQ	0.25
Chlorantraniliprole	<LOQ	<LOQ	0.1	Oxamyl	<LOQ	<LOQ	0.5
Chlorfenapyr	<LOQ	<LOQ	0.1	Paclobutrazol	<LOQ	<LOQ	0.2
Chlorpyrifos	<LOQ	<LOQ	0.5	Permethrins ¹	<LOQ	<LOQ	0.1
Clofentezine	<LOQ	<LOQ	0.1	Phosmet	<LOQ	<LOQ	0.1
Cyfluthrin	<LOQ	<LOQ	0.5	Piperonyl butoxide	<LOQ	<LOQ	1.0
Cypermethrin	<LOQ	<LOQ	0.5	Prallethrin	<LOQ	<LOQ	0.1
Daminozide	<LOQ	<LOQ	0.5	Propiconazole	<LOQ	<LOQ	0.2
Diazinon	<LOQ	<LOQ	0.5	Propoxur	<LOQ	<LOQ	0.1
Dichlorvos	<LOQ	<LOQ	0.1	Pyrethrins ²	<LOQ	<LOQ	0.5
Dimethoate	<LOQ	<LOQ	0.1	Pyridaben	<LOQ	<LOQ	0.1
Ethoprophos	<LOQ	<LOQ	0.1	Spinosad ³	<LOQ	<LOQ	0.1
Etofenprox	<LOQ	<LOQ	0.2	Spiromesifen	<LOQ	<LOQ	0.1
Etoxazole	<LOQ	<LOQ	0.1	Spirotetramat	<LOQ	<LOQ	0.1
Fenoxycarb	<LOQ	<LOQ	0.1	Spiroxamine	<LOQ	<LOQ	0.2
Fenpyroximate	<LOQ	<LOQ	0.2	Tebuconazole	<LOQ	<LOQ	0.2
Fipronil	<LOQ	<LOQ	0.2	Thiacloprid	<LOQ	<LOQ	0.1
Flonicamid	<LOQ	<LOQ	0.5	Thiamethoxam	<LOQ	<LOQ	0.1
Fludioxonil	<LOQ	<LOQ	0.2	Trifloxystrobin	<LOQ	<LOQ	0.1
Hexythiazox	<LOQ	<LOQ	0.5				

¹ Permethrins are measured as the cumulative residues of cis and trans isomers.

² Pyrethrins are measured as the cumulative residues of pyrethrin 1, cinerin 1, and jamaolin 1.

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Pesticide Analysis - Pass

Date: 05/14/2023				PE Batch:				Prep Analyst:				Data Analyst:				SOP: 049			
Analyte				Recovery (%)		Recovery Limits (%)		LOQ (ppm)		Analyte				Recovery (%)		Recovery Limits		LOQ (ppm)	
Abamectin				60.12		50-150		0.25		Imazalil				80.15		60-120		0.1	
Acephate				85.95		60-120		0.2		Imidacloprid				92.3		60-120		0.2	
Acequinocyl				74.59		40-160		1.0		Kresoxim-methyl				68.7		60-120		0.2	
Acetamiprid				88.16		60-120		0.1		MGK-264				72.99		50-150		0.1	
Aldicarb				68.9		60-120		0.2		Malathion				70.5		60-120		0.1	
Azoxystrobin				80.94		60-120		0.1		Metalaxyl				89.75		60-120		0.1	
Bifenazate				61.08		60-120		0.1		Methiocarb				63.88		60-120		0.2	
Bifenthrin				89.73		50-150		0.1		Methomyl				78.78		60-120		0.1	
Boscalid				83.76		60-120		0.2		Methyl Parathion				78.33		50-150		0.1	
Carbaryl				78.66		60-120		0.1		Myclobutanil				65.22		60-120		0.1	
Carbofuran				87.94		60-120		0.1		Naled				63.81		50-150		0.25	
Chlorantraniliprole				91.95		60-120		0.1		Oxamyl				81.47		60-120		0.5	
Chlorfenapyr				90.09		60-120		0.1		Paclobutrazol				69.11		60-120		0.2	
Chlorpyrifos				61.06		60-120		0.5		Permethrins ¹				74.43		50-150		0.1	
Clofentezine				72.38		60-120		0.1		Phosmet				79.3		50-150		0.1	
Cyfluthrin				76.8		50-150		0.5		Piperonyl butoxide				80.53		60-120		1.0	
Cypermethrin				80.93		50-150		0.5		Prallethrin				91.39		60-120		0.1	
Daminozide				109.52		60-120		0.5		Propiconazole				64.16		60-120		0.2	
Diazinon				62.75		60-120		0.5		Propoxur				79.83		60-120		0.1	
Dichlorvos				118.28		60-120		0.1		Pyrethrins ²				99.333		60-120		0.5	
Dimethoate				104.99		60-120		0.1		Pyridaben				79.66		50-150		0.1	
Ethoprophos				63.15		60-120		0.1		Spinosad ³				71.2		50-150		0.1	
Etofenprox				97.45		50-150		0.2		Spiromesifen				61.23		60-120		0.1	
Etoxazole				69.65		60-120		0.1		Spirotetramat				62.24		60-120		0.1	
Fenoxycarb				69.93		60-120		0.1		Spiroxamine				76.09		60-120		0.2	
Fenpyroximate				68.27		60-120		0.2		Tebuconazole				61.15		60-120		0.2	
Fipronil				71.32		60-120		0.2		Thiacloprid				91.37		60-120		0.1	
Flonicamid				110.88		60-120		0.5		Thiamethoxam				80.38		60-120		0.1	
Fludioxonil				87.12		50-150		0.2		Trifloxystrobin				74.79		60-120		0.1	
Hexythiazox				90.19		60-120		0.5											

Approved by/date:


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 Technical Director
 05/19/2023

¹ Permethrins are measured as the cumulative residues of cis and trans isomers.
² Pyrethrins are measured as the cumulative residues of pyrethrin 1, cinerin 1, and jamaolin 1.
³ Spinosad is calculated as a sum of isomers Spinosad A and Spinosad D.
 NR = No Report


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Date: 05/19/2023

Mycotoxin Analysis - Pass

Date: 05/14/2023		Batch:		Prep Analyst:	Data Analyst:	SOP: 055
Analyte	Result (ppb)	LOQ (ppb)	Action Level	Notes		
Aflatoxin B1	<LOQ	10	Cumulative			
Aflatoxin B2	<LOQ	10	Cumulative			
Aflatoxin G1	<LOQ	10	Cumulative			
Aflatoxin G2	<LOQ	10	Cumulative			
Total Aflatoxins	<LOQ	10	20			
Ochratoxin	<LOQ	10	20			

Mycotoxin Analysis - Pass

Analyte	Result (ppb)	LOQ (ppb)	Recovery Limit	Notes
Aflatoxin B1	<LOQ	10	<LOQ	
Aflatoxin B2	<LOQ	10	<LOQ	
Aflatoxin G1	<LOQ	10	<LOQ	
Aflatoxin G2	<LOQ	10	<LOQ	
Total Aflatoxins	<LOQ	10	<LOQ	
Ochratoxin	<LOQ	10	<LOQ	

Mycotoxin Analysis - Pass

Analyte	Recovery (%)	LOQ (ppb)	Recovery Limits	Notes
Aflatoxin B1	94.15	10	60-120%	
Aflatoxin B2	93.75	10	60-120%	
Aflatoxin G1	94.0	10	60-120%	
Aflatoxin G2	91.95	10	60-120%	
Ochratoxin	82.9	10	60-120%	

LOQ = Limit of Quantitation, ND = Not Detected NT = Not Tested. Aflatoxins are measured as the cumulative sum of B1, B2, G1, and G2 isomers.

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Notes: NA

END OF REPORT

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