



PINNACLE — ANALYTICS —

Potency Results

Sample Name: *Skywalker OG*

Client:

Client Batch ID:

Pinnacle-Analytics.com
3549 Lear Way, Suite 101
Medford OR 97504
P:(541)300-8217

Sample ID: rC-H-332-D

Matrix: Flower

Prep Analyst: Jeff A.

Analysis Method: 0630322+1 H3 4-20-2022 #1.lcm

Sampling Method: N/A

Reference Method: JCB 2009: HPLC/DAD

Analysis Batch: 12-14-2023 H3 48, 116, 185, 332, 422 Flower

Date Sampled: 12/12/2023

Date Reported: 12/15/2023 Client

License: *Redacted*

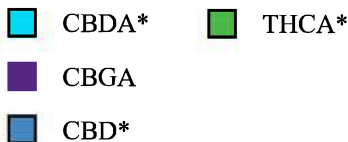
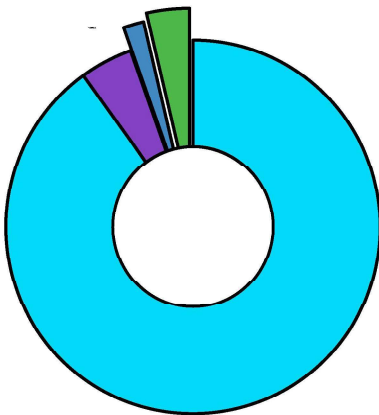
For R&D Purposes Only

Total THC (THCA*0.877+d9-THC)	0.743%
Total CBD (CBDA*0.877+CBD)	18.6%
Moisture Content	14.1%
Water Activity	0.48

Cannabinoid	% Weight	mg/g
CBDVA	<LOQ	<LOQ
CBDV	<LOQ	<LOQ
CBDA*	20.8	208.0
CBGA	1.05	10.5
CBG	<LOQ	<LOQ
CBD*	0.404	4.04
THCV	<LOQ	<LOQ
CBN	<LOQ	<LOQ
d9-THC*	<LOQ	<LOQ
d8-THC*	<LOQ	<LOQ
CBC	<LOQ	<LOQ
THCA*	0.847	8.47
Total Cannabinoids	23.1	231.0

*ORELAP Accredited Analyte

Limit Of Quantitation: 0.1%, analyte not measured



These test results may not be altered or reproduced except in full without the permission of Pinnacle Analytics. These results were generated following the Oregon Administrative Rules and in accordance with the NELAP Institute under ORELAP License #4152 Report generated by Routine_Potency_Rev13_8-1-2023

Kris Ford, PhD
Lab Director



PINNACLE — ANALYTICS —

Quality Control Results

Analyst: Jeff A.

Analysis Batch: 12-14-2023 H3 48, 116, 185, 332, 422 Flower

Pinnacle-Analytics.com
3549 Lear Way, Suite 101
Medford OR 97504
P:(541)300-8217

	Duplicate RPD		LCS % Recovery		Method Blank	
	H-0-D2209-b	Limit	C-FL-121423	Limits	C-FB-121423	Limit
CBDA	4.28%	10%	104.0%	90-110%	<LOQ/2	LOQ/2
CBD	6.34%	10%	105.0%	90-110%	<LOQ/2	LOQ/2
d9-THC	<LOQ%	30%	94.5%	90-110%	<LOQ/2	LOQ/2
d8-THC	<LOQ%	30%	99.4%	90-110%	<LOQ/2	LOQ/2
THCA	4.7%	10%	100.0%	90-110%	<LOQ/2	LOQ/2

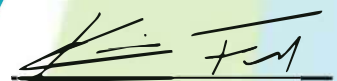
RPD: Relative Percent Difference between unknown sample and its duplicate

LCS: Laboratory Control Sample with known concentration

Case Comments: There were no divergences from ordinary Quality Control procedures or SOPs.



These test results may not be altered or reproduced except in full without the permission of Pinnacle Analytics. These results were generated following the Oregon Administrative Rules and in accordance with the NELAP Institute under ORELAP License #4152
Report generated by Routine_Potency_Rev13_8-1-2023


Kris Ford, PhD
Lab Director

PRE Laboratories - South
545 SW 2nd St, #202, Corvallis, OR 97333
541-257-5002 / OLCC 010-10087092BDA / www.PRElab.com

Safety Comp-D2213,2214,2215,2223

Pinnacle Analytics

010-101599328A3

Sample ID: C231810-06

METRC Batch #:

Matrix: Hemp

Date Sampled: 12/13/23 11:20

Date Accepted: 12/13/23

Batch ID:

Batch Size:

Sampling Method/SOP: SOP.T.20.010

Pesticides

Date/Time Extracted: 12/19/23 08:33

Date/Time Analyzed: 12/20/2023 6:40:00PM

Analysis Method/SOP: LSOP #307

Sample extracted and analyzed at PREE Lab - South

Analyte	LOQ	Action Level	Result	Units	Type
Acephate	0.0200	0.4	< LOQ	ppm	Organophosphate insecticide
Acequinocyl	0.100	2	< LOQ	ppm	
Acetamiprid	0.0200	0.2	< LOQ	ppm	Neonicotinoid insecticide
Aldicarb	0.0200	0.4	< LOQ	ppm	Carbamate insecticide
Avermectin B1	0.200	0.5	< LOQ	ppm	
Azoxystrobin	0.0200	0.2	< LOQ	ppm	
Bifenazate	0.0200	0.2	< LOQ	ppm	Unclassified insecticide
Bifenthrin	0.100	0.2	< LOQ	ppm	
Boscalid	0.0200	0.4	< LOQ	ppm	Anilide fungicide
Carbaryl	0.0200	0.2	< LOQ	ppm	Carbamate insecticide
Carbofuran	0.0200	0.2	< LOQ	ppm	Carbamate insecticide
Chlorantraniliprole	0.0200	0.2	< LOQ	ppm	Anthranilic diamide insecticide
Chlorfenapyr	0.500	1	< LOQ	ppm	Pyrazole insecticide
Chlorpyrifos	0.0200	0.2	< LOQ	ppm	Organophosphate insecticide
Clofentezine	0.100	0.2	< LOQ	ppm	
Cyfluthrin	0.500	1	< LOQ	ppm	
Cypermethrin	0.500	1	< LOQ	ppm	
Daminozide	0.100	1	< LOQ	ppm	
DDVP (Dichlorvos)	0.100	1	< LOQ	ppm	
Diazinon	0.0200	0.2	< LOQ	ppm	Organophosphate insecticide
Dimethoate	0.0200	0.2	< LOQ	ppm	
Ethoprophos	0.0200	0.2	< LOQ	ppm	
Etofenprox	0.100	0.4	< LOQ	ppm	
Etoxazole	0.0200	0.2	< LOQ	ppm	Unclassified miticide
Fenoxycarb	0.0200	0.2	< LOQ	ppm	
Fenpyroximate	0.100	0.4	< LOQ	ppm	
Fipronil	0.0200	0.4	< LOQ	ppm	Pyrazole insecticide
Fonicamid	0.0200	1	< LOQ	ppm	Pyridinecarboxamide insecticide
Fludioxonil	0.100	0.4	< LOQ	ppm	non-systemic fungicide
Hexythiazox	0.0200	1	< LOQ	ppm	
Imazalil	0.0200	0.2	< LOQ	ppm	Azole fungicide
Imidacloprid	0.0200	0.4	< LOQ	ppm	Neonicotinoid insecticide
Kresoxim-methyl	0.100	0.4	< LOQ	ppm	
Malathion	0.0200	0.2	< LOQ	ppm	
Metalaxyl	0.0200	0.2	< LOQ	ppm	
Methiocarb	0.0200	0.2	< LOQ	ppm	Carbamate insecticide
Methomyl	0.0200	0.4	< LOQ	ppm	Carbamate insecticide



Carson Newkirk
Laboratory Manager - 12/20/2023

PREE Laboratories - South
545 SW 2nd St, #202, Corvallis, OR 97333
541-257-5002 / OLCC 010-10087092BDA / www.PREElab.com

Safety Comp-D2213,2214,2215,2223

Pinnacle Analytics
010-101599328A3

Sample ID: C231810-06

METRC Batch #:

Matrix: Hemp

Date Sampled: 12/13/23 11:20

Date Accepted: 12/13/23

Batch ID:

Batch Size:

Sampling Method/SOP: SOP.T.20.010

Pesticides

Date/Time Extracted: 12/19/23 08:33

Date/Time Analyzed: 12/20/2023 6:40:00PM

Analysis Method/SOP: LSOP #307

Sample extracted and analyzed at PREE Lab - South

Analyte	LOQ	Action Level	Result	Units	Type
Methyl parathion	0.100	0.2	< LOQ	ppm	
MGK I	0.100	0.2	< LOQ	ppm	
MGK II	0.100	0.2	< LOQ	ppm	
MGK-264 (Both)	0.100	0.2	< LOQ	ppm	
Myclobutanil	0.100	0.2	< LOQ	ppm	Azole fungicide
Naled	0.0200	0.5	< LOQ	ppm	
Oxamyl	0.0200	1	< LOQ	ppm	Carbamate insecticide
Paclobutrazol	0.0200	0.4	< LOQ	ppm	Azole plant growth regulator
Permethrins (Both)	0.100	0.2	< LOQ	ppm	
Permethrins Cis	0.100	0.2	< LOQ	ppm	
Permethrins Trans	0.100	0.2	< LOQ	ppm	
Phosmet	0.0200	0.2	< LOQ	ppm	Organophosphate insecticide
Piperonyl butoxide	0.0200	2	< LOQ	ppm	
Prallethrin	0.100	0.2	< LOQ	ppm	
Propiconazole	0.100	0.4	< LOQ	ppm	
Propoxur	0.0200	0.2	< LOQ	ppm	Carbamate insecticide
Pyrethrins (All 3)	0.500	1	< LOQ	ppm	
Pyrethrins Cinerin	0.500	1	< LOQ	ppm	
Pyrethrins Jasmolin	0.500	1	< LOQ	ppm	
Pyrethrins Pyrethrin	0.500	1	< LOQ	ppm	
Pyridaben	0.0200	0.2	< LOQ	ppm	Unclassified insecticide
Spinosad (Both)	0.100	0.2	< LOQ	ppm	
Spinosyn A	0.100	0.2	< LOQ	ppm	
Spinosyn D	0.100	0.2	< LOQ	ppm	
Spiromesifen	0.100	0.2	< LOQ	ppm	Keto-enol insecticide
Spirotetramat	0.0200	0.2	< LOQ	ppm	Keto-enol insecticide
Spiroxamine	0.0200	0.4	< LOQ	ppm	Unclassified fungicide
Tebuconazole	0.0200	0.4	< LOQ	ppm	
Thiacloprid	0.0200	0.2	< LOQ	ppm	
Thiamethoxam	0.0200	0.2	< LOQ	ppm	Neonicotinoid insectide
Trifloxystrobin	0.0200	0.2	< LOQ	ppm	Strobilin fungicide

Results above the action level fail Oregon state testing requirements and will be highlighted RED.

LOQ= Limit of Quantitation; PPM= Parts per million; ND= Not detected; NT= Not tested; AC= Above calibration range. PASS/FAIL status based on OAR 333-007.



Carson Newkirk
Laboratory Manager - 12/20/2023

PREE Laboratories - South
545 SW 2nd St, #202, Corvallis, OR 97333
541-257-5002 / OLCC 010-10087092BDA / www.PREELab.com

Safety Comp-D2213,2214,2215,2223

Pinnacle Analytics

010-101599328A3

Sample ID: C231810-06

METRC Batch #:

Matrix: Hemp

Date Sampled: 12/13/23 11:20

Date Accepted: 12/13/23

Batch ID:

Batch Size:

Sampling Method/SOP: SOP.T.20.010

Microbial Analysis

Date/Time Extracted: 12/18/23 08:58

Date/Time Analyzed: 12/19/2023 3:32:46PM

Analysis Method/SOP: LSOP #310

Sample extracted and analyzed at PREE Lab - South

Analyte	Result	Units	Pass/Fail
Salmonella spp.	Absent	/g	PASS
STEC E. coli	Absent	/g	PASS

Analytical instrumentation: Thomas Scientific Applied Biosystem qPCR located at PREE Lab - South



Carson Newkirk
Laboratory Manager - 12/20/2023

PREE Laboratories - South
545 SW 2nd St, #202, Corvallis, OR 97333
541-257-5002 / OLCC 010-10087092BDA / www.PREElab.com

Safety Comp-D2213,2214,2215,2223

Pinnacle Analytics

010-101599328A3

Sample ID: C231810-06

Matrix: Hemp

METRC Batch #:

Date Sampled: 12/13/23 11:20

Date Accepted: 12/13/23

Batch ID:

Batch Size:

Sampling Method/SOP: SOP.T.20.010

Heavy Metals Analysis

Date Extracted: 12/15/23

Date Analyzed: 12/19/23

Analysis Method/SOP: LSOP #309

Sample extracted and analyzed at PREE Lab - South

Analyte	LOQ (ug/g)	Action Level (ug/g)	Result (ug/g)
Mercury	0.0400	0.1	ND
Lead	0.160	0.5	ND
Cadmium	0.0800	0.2	0.107
Arsenic	0.0800	0.2	ND

LOQ= Limit of Quantitation; ND= Not Detected;
The reported result is based on sample weight for this sample;
Analytical instrumentation: Agilent 7850 ICP-MS located at PREE Lab - South



Carson Newkirk
Laboratory Manager - 12/20/2023

PREE Laboratories - South
545 SW 2nd St, #202, Corvallis, OR 97333
541-257-5002 / OLCC 010-10087092BDA / www.PREElab.com

Safety Comp-D2213,2214,2215,2223

Pinnacle Analytics

010-101599328A3

Sample ID: C231810-06

Matrix: Hemp

METRC Batch #:

Date Sampled: 12/13/23 11:20

Date Accepted: 12/13/23

Batch ID:

Batch Size:

Sampling Method/SOP: SOP.T.20.010

Mycotoxins

Date Extracted: 12/19/23

Date Analyzed: 12/19/23

Analysis Method/SOP: LSOP #308

Sample extracted and analyzed at PREE Lab - South

Analyte	LOQ (ug/g)	Action Level	Result (ug/g)
Total Aflatoxins	0.0100	0.02	ND
Ochratoxin A	0.0100	0.02	ND
Aflatoxin G2	0.0100	0.02	ND
Aflatoxin G1	0.0100	0.02	ND
Aflatoxin B2	0.0100	0.02	ND
Aflatoxin B1	0.0100	0.02	ND

LOQ= Limit of Quantitation; ND= Not Detected;
The reported result is based on sample weight for this sample;
Analytical instrumentation: Sciex Triple Quad 6500



Carson Newkirk
Laboratory Manager - 12/20/2023

PREE Laboratories - South
545 SW 2nd St, #202, Corvallis, OR 97333
541-257-5002 / OLCC 010-10087092BDA / www.PREElab.com

Quality Control

Batch: C23L084 - LSOP #309 Heavy Metal Quantification

Blank(C23L084-BLK1)			Extracted: 12/15/23 16:29			Analyzed: 12/19/23 15:02			
Analyte	Result	LOQ	Recovery Limits	Notes	Analyte	Result	LOQ	Recovery Limits	Notes
Arsenic	< LOQ	0.0800 (ug/g)	< LOQ		Lead	< LOQ	0.160 (ug/g)	< LOQ	
Mercury	< LOQ	0.0400 (ug/g)	< LOQ		Cadmium	< LOQ	0.0800 (ug/g)	< LOQ	

Blank(C23L084-BLK2)			Extracted: 12/15/23 16:29			Analyzed: 12/19/23 15:11			
Analyte	Result	LOQ	Recovery Limits	Notes	Analyte	Result	LOQ	Recovery Limits	Notes
Arsenic	< LOQ	0.0800 (ug/g)	< LOQ		Lead	< LOQ	0.160 (ug/g)	< LOQ	
Mercury	< LOQ	0.0400 (ug/g)	< LOQ		Cadmium	< LOQ	0.0800 (ug/g)	< LOQ	

LCS(C23L084-BS1)			Extracted: 12/15/23 16:29			Analyzed: 12/19/23 15:06			
Analyte	% Recovery	LOQ	Recovery Limits	Notes	Analyte	% Recovery	LOQ	Recovery Limits	Notes
Arsenic	96.4	0.0800 (ug/g)	80-115		Lead	101	0.160 (ug/g)	80-115	
Mercury	87.6	0.0400 (ug/g)	80-115		Cadmium	91.7	0.0800 (ug/g)	80-115	

LCS(C23L084-BS2)			Extracted: 12/15/23 16:29			Analyzed: 12/19/23 15:15			
Analyte	% Recovery	LOQ	Recovery Limits	Notes	Analyte	% Recovery	LOQ	Recovery Limits	Notes
Arsenic	96.4	0.0800 (ug/g)	80-115		Lead	96.2	0.160 (ug/g)	80-115	
Mercury	91.0	0.0400 (ug/g)	80-115		Cadmium	91.2	0.0800 (ug/g)	80-115	

LCS Dup(C23L084-BSD1)			Extracted: 12/15/23 16:29			Analyzed: 12/19/23 16:50			
Analyte	% Recovery	LOQ	Recovery Limits	Notes	Analyte	% Recovery	LOQ	Recovery Limits	Notes
Arsenic	98.5	0.0800 (ug/g)	80-115		Lead	100	0.160 (ug/g)	80-115	
Mercury	88.5	0.0400 (ug/g)	80-115		Cadmium	91.7	0.0800 (ug/g)	80-115	

LCS Dup(C23L084-BSD2)			Extracted: 12/15/23 16:29			Analyzed: 12/19/23 16:54			
Analyte	% Recovery	LOQ	Recovery Limits	Notes	Analyte	% Recovery	LOQ	Recovery Limits	Notes
Arsenic	97.9	0.0800 (ug/g)	80-115		Lead	96.1	0.160 (ug/g)	80-115	
Mercury	92.2	0.0400 (ug/g)	80-115		Cadmium	92.5	0.0800 (ug/g)	80-115	

Batch: C23L085 - LSOP #310 Microbial Analysis

Blank(C23L085-BLK1)			Extracted: 12/18/23 08:58			Analyzed: 12/19/23 15:32			
Analyte	Result	LOQ	Recovery Limits	Notes	Analyte	Result	LOQ	Recovery Limits	Notes
STEC E. coli	Absent	0.500 (/g)	< LOQ		Salmonella spp.	Absent	0.500 (/g)	< LOQ	

Reference(C23L085-SRM1)			Extracted: 12/18/23 08:58			Analyzed: 12/19/23 15:32			
Analyte	Result	LOQ	Recovery Limits	Notes	Analyte	Result	LOQ	Recovery Limits	Notes
STEC E. coli	Present	(/g)	100-100		Salmonella spp.	Present	(/g)	100-100	

Batch: C23L097 - LSOP #308 Mycotoxin Quantification by LCMS



Carson Newkirk
Laboratory Manager - 12/20/2023

PREE Laboratories - South
545 SW 2nd St, #202, Corvallis, OR 97333
541-257-5002 / OLCC 010-10087092BDA / www.PREElab.com

Quality Control

Batch: C23L097 - LSOP #308 Mycotoxin Quantification by LCMS (Continued)

Blank(C23L097-BLK1)			Extracted: 12/19/23 08:37			Analyzed: 12/19/23 20:42			
Analyte	Result	LOQ	Recovery Limits	Notes	Analyte	Result	LOQ	Recovery Limits	Notes

Ochratoxin A	< LOQ	0.0100 (ppm)	< LOQ		Aflatoxin G2	< LOQ	0.0100 (ppm)	< LOQ	
Aflatoxin G1	< LOQ	0.0100 (ppm)	< LOQ		Aflatoxin B2	< LOQ	0.0100 (ppm)	< LOQ	
Aflatoxin B1	< LOQ	0.0100 (ppm)	< LOQ		Total Aflatoxins	< LOQ	0.0100 (ppm)	< LOQ	

Blank(C23L097-BLK2)			Extracted: 12/19/23 08:37			Analyzed: 12/19/23 20:56			
Analyte	Result	LOQ	Recovery Limits	Notes	Analyte	Result	LOQ	Recovery Limits	Notes

Ochratoxin A	< LOQ	0.0100 (ppm)	< LOQ		Aflatoxin G2	< LOQ	0.0100 (ppm)	< LOQ	
Aflatoxin G1	< LOQ	0.0100 (ppm)	< LOQ		Aflatoxin B2	< LOQ	0.0100 (ppm)	< LOQ	
Aflatoxin B1	< LOQ	0.0100 (ppm)	< LOQ		Total Aflatoxins	< LOQ	0.0100 (ppm)	< LOQ	

LCS(C23L097-BS1)			Extracted: 12/19/23 08:37			Analyzed: 12/19/23 20:49			
Analyte	% Recovery	LOQ	Recovery Limits	Notes	Analyte	% Recovery	LOQ	Recovery Limits	Notes

Ochratoxin A	80.5	(ppm)	60-120		Aflatoxin G2	93.1	(ppm)	60-120	
Aflatoxin G1	94.5	(ppm)	60-120		Aflatoxin B2	82.3	(ppm)	60-120	
Aflatoxin B1	91.4	(ppm)	60-120						

LCS(C23L097-BS2)			Extracted: 12/19/23 08:37			Analyzed: 12/19/23 21:02			
Analyte	% Recovery	LOQ	Recovery Limits	Notes	Analyte	% Recovery	LOQ	Recovery Limits	Notes

Ochratoxin A	85.1	(ppm)	60-120		Aflatoxin G2	106	(ppm)	60-120	
Aflatoxin G1	103	(ppm)	60-120		Aflatoxin B2	104	(ppm)	60-120	
Aflatoxin B1	103	(ppm)	60-120						

LCS Dup(C23L097-BSD1)			Extracted: 12/19/23 08:37			Analyzed: 12/19/23 22:35			
Analyte	% Recovery	LOQ	Recovery Limits	Notes	Analyte	% Recovery	LOQ	Recovery Limits	Notes

Ochratoxin A	82.9	(ppm)	60-120		Aflatoxin G2	89.6	(ppm)	60-120	
Aflatoxin G1	93.3	(ppm)	60-120		Aflatoxin B2	79.2	(ppm)	60-120	
Aflatoxin B1	88.5	(ppm)	60-120						

LCS Dup(C23L097-BSD2)			Extracted: 12/19/23 08:37			Analyzed: 12/19/23 22:42			
Analyte	% Recovery	LOQ	Recovery Limits	Notes	Analyte	% Recovery	LOQ	Recovery Limits	Notes

Ochratoxin A	86.3	(ppm)	60-120		Aflatoxin G2	102	(ppm)	60-120	
Aflatoxin G1	104	(ppm)	60-120		Aflatoxin B2	101	(ppm)	60-120	
Aflatoxin B1	100	(ppm)	60-120						

Notes and Definitions

Item	Definition
MSDRPD	RPD between MS/MSD is greater than 20%, yet no detections of the applicable analytes in samples.



Carson Newkirk
Laboratory Manager - 12/20/2023