



DEA No. RA0571996
FL License # CMTL-0003
CLIA No. 10D1094068

Certificate of Analysis

Compliance Test

KMS AG CONSULTING
34081 EXCOR RD BUILDING A
EUGENE, OREGON 97405

Batch # PP142023H
Batch Date: 2023-01-04
Extracted From: Industrial Hemp

Test Reg State: Oregon

Production Facility: USA
Production Date: 2023-01-04

Order # KMS230104-150001
Order Date: 2023-01-04
Sample # AADY054

Sampling Date: 2023-01-06
Lab Batch Date: 2023-01-06
Completion Date: 2023-01-10

Initial Gross Weight: 20.456 g



Potency Tested

HHCP Tested

Heavy Metals Passed

Pesticides Passed

Residual Solvents Passed

Product Image

Potency 23 (LCUV)
Specimen Weight: 208.200 mg

Tested
SOP13.002 (LCUV)

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
CBGA	150.000	8.00E-5	0.0015	72.1000	7.2100
CBD	150.000	1.00E-5	0.0015	59.4800	5.9480
CBN	150.000	1.40E-5	0.0015	23.4200	2.3420
Delta-8 THC	150.000	5.40E-5	0.0015	22.2800	2.2280
THCA-A	15.000	2.48E-4	0.0015	17.7800	1.7780
THCA	15.000	3.20E-5	0.0015	5.2820	0.5282
THCV	15.000	3.20E-5	0.0015	4.5540	0.4554
THCVA	15.000	1.07E-4	0.0015	3.3880	0.3388
THCV	15.000	7.00E-6	0.0015	2.4040	0.2404
CBC	150.000	1.80E-5	0.0015	1.5300	0.1530
CBNA	15.000	9.50E-5	0.0015	0.7640	0.0764
CBDVA	15.000	1.40E-5	0.0015	0.5760	0.0576
THCVA	15.000	4.70E-5	0.0015	0.1850	0.0185
CBDV	15.000	6.50E-5	0.0015	<LOQ	<LOQ
CBL	15.000	3.50E-5	0.0015	<LOQ	<LOQ
CBT	15.000	2.00E-4	0.0015	<LOQ	<LOQ
Delta-8 THC-O Acetate	15.000	2.70E-5	0.003	<LOQ	<LOQ
Delta-8 THCV	15.000	4.00E-5	0.0015	<LOQ	<LOQ
Delta-9 THC	150.000	1.30E-5	0.0015	<LOQ	<LOQ
Delta-9 THC-O Acetate	15.000	7.70E-5	0.003	<LOQ	<LOQ
Delta8-THCP	15.000	3.75E-4	0.0015	<LOQ	<LOQ
Delta9-THCP	15.000	1.17E-5	0.0012	<LOQ	<LOQ
Exo-THC	15.000	2.30E-4	0.0015	<LOQ	<LOQ

Potency Summary

8.295% Total HHC <LOQ	0.399% Total Active THC <LOQ
7.444% Total Active CBD <LOQ	6.851% Total CBG <LOQ
2.409% Total CBN <LOQ	2.535% Other Cannabinoids <LOQ
27.934% Total Cannabinoids <LOQ	

Summary results above show the dry weight concentration

Xueli Gao Lab Toxicologist
Ph.D., DABT

Aixia Sun Lab Director/Principal Scientist
D.H.Sc., M.Sc., B.Sc., MT (AAB)



Definitions and Abbreviations used in this report: Total Active CBD = CBD + (CBD-A * 0.877), *Total CBDV = CBDV + (CBDVA * 0.87), Total Active THC = THCA-A * 0.877 + Delta 9 THC, Total THCV = THCV + (THCVA * 0.87), CBG Total = (CBGA * 0.877) + CBG, CBN Total = (CBNA * 0.877) + CBN, Total CBC = CBC + (CBCA * 0.877), Total THC-O-Acetate = Delta 8 THC-O-Acetate + Delta 9 THC-O-Acetate, Other Cannabinoids Total = Total Cannabinoids - All the listed cannabinoids on the summary section, Total Detected Cannabinoids = Delta8a10a-THC + Delta8-THC + Total CBN + CBT + Delta8-THCV + Total CBG + Total CBD + Total THCV + CBL + Total THC + Total CBC + Total CBDV + Delta10-THC + Total THC-O-Acetate. (mg/ml) = Milligrams per Milliliter, LOQ = Limit of Quantitation, LOD = Limit of Detection, Dilution = Dilution Factor (ppb) = Parts per Billion, (%) = Percent, (cfu/g) = Colony Forming Unit per Gram, (µg/g) = Microgram per Gram, (µg/g) = Microgram per Gram (ppm) = Parts per Million, (ppm) = (µg/g), (aw) = aw (area ratio) = Area Ratio, (mg/Kg) = Milligram per Kilogram, *Measurement of Uncertainty = +/- 10%

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Sample # AADY054

Sampling Date: 2023-01-06
Lab Batch Date: 2023-01-06
Completion Date: 2023-01-10

Initial Gross Weight: 20.456 g



Pesticides

Specimen Weight: 257.000 mg

Passed

SOP13.007
(LCMS/GCMS)

Dilution Factor: 5.840

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Abamectin	2.8800E-1	28.23	300	<LOQ	Imazalil	2.4800E-1	30	100	<LOQ
Acephate	2.3000E-2	30	3000	<LOQ	Imidacloprid	9.4000E-2	30	3000	<LOQ
Acequinocyl	9.5640E+0	48	2000	<LOQ	Kresoxim Methyl	4.2000E-2	30	1000	<LOQ
Acetamiprid	5.2000E-2	30	3000	<LOQ	Malathion	8.2000E-2	30	2000	<LOQ
Aldicarb	2.6000E-2	30	100	<LOQ	Metolaxyl	8.1000E-2	10	3000	<LOQ
Azoxystrobin	8.1000E-2	10	3000	<LOQ	Methiocarb	3.2000E-2	30	100	<LOQ
Bifenazate	1.4150E+0	30	3000	<LOQ	Methomyl	2.2000E-2	30	100	<LOQ
Bifenthrin	4.3000E-2	30	500	<LOQ	Mevinphos	2.1500E+0	30	100	<LOQ
Carbaryl	2.2000E-2	10	500	<LOQ	Myclobutanil	1.0290E+0	30	3000	<LOQ
Chlorfenapyr	8.0000E-2	48	100	<LOQ	Naled	9.5000E-2	30	500	<LOQ
Chlorpyrifos	3.5000E-2	30	100	<LOQ	Oxamyl	2.5000E-2	30	500	<LOQ
Clofentezine	1.1900E-1	30	500	<LOQ	Paclobotrazol	6.5000E-2	30	100	<LOQ
Coumaphos	3.7700E+0	30	100	<LOQ	Parathion-methyl	1.7100E+0	48	100	<LOQ
Cyfluthrin	3.1100E+0	30	1000	<LOQ	Pentachloronitrobenzene	1.3200E+0	30	200	<LOQ
Cypermethrin	1.4490E+0	30	1000	<LOQ	Permethrin	3.4300E-1	30	1000	<LOQ
Daminozide	8.8500E-1	30	100	<LOQ	Phosmet	8.2000E-2	30	200	<LOQ
Diazinon	4.4000E-2	30	200	<LOQ	Piperonylbutoxide	2.9000E-2	30	3000	<LOQ
Dichlorvos	2.1820E+0	30	100	<LOQ	Prallethrin	7.9800E-1	30	400	<LOQ
Dimethoate	2.1000E-2	30	100	<LOQ	Propiconazole	7.0000E-2	30	1000	<LOQ
Dimethomorph	5.8300E+0	30	3000	<LOQ	Propoxur	4.6000E-2	30	100	<LOQ
Ethoprophos	3.6000E-1	30	100	<LOQ	Pyrethrins	2.3593E+1	30	1000	<LOQ
Etofenprox	1.1600E-1	30	100	<LOQ	Pyridaben	3.2000E-2	30	3000	<LOQ
Etoxazole	9.5000E-2	30	1500	<LOQ	Spinetoram	8.0000E-2	30	3000	<LOQ
Fenhexamid	5.1000E-1	30	3000	<LOQ	Spiromesifen	2.6100E-1	30	3000	<LOQ
Fenoxycarb	1.0700E-1	30	100	<LOQ	Spirotetramat	8.9000E-2	30	3000	<LOQ
Fenpyroximate	1.3800E-1	30	2000	<LOQ	Spiroxamine	1.3100E-1	30	100	<LOQ
Fipronil	1.0700E-1	30	100	<LOQ	Tebuconazole	6.7000E-2	30	1000	<LOQ
Fonicamid	5.1700E-1	30	2000	<LOQ	Thiacloprid	6.4000E-2	30	100	<LOQ
Fludioxonil	1.7400E+0	30	3000	<LOQ	Thiamethoxam	5.0000E-2	30	1000	<LOQ
Hexythiazox	4.9000E-2	30	2000	<LOQ	Trifloxystrobin	3.7000E-2	30	3000	<LOQ

HHCP

Specimen Weight: 208.200 mg

Tested
SOP13.050 (LCMS)

Dilution Factor: 7500.000

Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%)	Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%)
(9R)-HHC	3.1100E-7	7.5E-5	57.2000	5.72	9(S)-HHCP	2.5500E-6	7.5E-5	<LOQ	
(9S)-HHC	8.7400E-7	7.5E-5	22.4000	2.24	Delta-9 THC	2.8000E-5	7.5E-5	<LOQ	
(±)-9β-hydroxy-HHC	4.5800E-7	7.5E-5	3.3500	0.335	Total HHC			82.9500	8.295
9(R)-HHCP	3.0900E-6	7.5E-5	<LOQ						

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Completion Date: 2023-01-10

Initial Gross Weight: 20.456 g

Residual Solvents - FL (CBD)

Specimen Weight: 13.000 mg

Passed
SOP13.039 (GCMS)

Dilution Factor: 1.000

Analyte	LOD (ppm)	LOQ (ppm)	Action Level (ppm)	Result (ppm)	Analyte	LOD (ppm)	LOQ (ppm)	Action Level (ppm)	Result (ppm)
1,1-Dichloroethene	0.0094	0.16	8	<LOQ	Heptane	0.0013	1.39	5000	<LOQ
1,2-Dichloroethane	0.0003	0.04	5	<LOQ	Hexane	0.068	1.17	290	<LOQ
Acetone	0.015	2.08	5000	<LOQ	Isopropyl alcohol	0.0048	1.39	500	<LOQ
Acetonitrile	0.06	1.17	410	<LOQ	Methanol	0.0005	0.69	3000	6.813
Benzene	0.0002	0.02	2	<LOQ	Methylene chloride	0.0029	2.43	600	<LOQ
Butanes	0.4167	2.5	2000	<LOQ	Pentane	0.037	2.08	5000	<LOQ
Chloroform	0.0001	0.04	60	<LOQ	Propane	0.031	5.83	2100	<LOQ
Ethanol	0.0021	2.78	5000	<LOQ	Toluene	0.0009	2.92	890	<LOQ
Ethyl Acetate	0.0012	1.11	5000	<LOQ	Total Xylenes	0.0001	2.92	2170	<LOQ
Ethyl Ether	0.0049	1.39	5000	<LOQ	Trichloroethylene	0.0014	0.49	80	<LOQ
Ethylene Oxide	0.0038	0.1	5	<LOQ					

Heavy Metals

Specimen Weight: 249.150 mg

Passed
SOP13.048 (ICP-MS)

Dilution Factor: 200

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Arsenic (As)	4.83	100	1500	133.000	Lead (Pb)	11.76	100	500	272.000
Cadmium (Cd)	.64	100	500	<LOQ	Mercury (Hg)	.58	100	3000	<LOQ

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