



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 # LO142023
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 # AADY053

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

Initial Gross Weight: 21.379 g



Product Image

Potency
Tested

HHCP
Tested

Heavy Metals
Passed

Pesticides
Passed

Residual Solvents
Passed

Potency 23 (LCUV)

Specimen Weight: 209.600 mg

Tested
SOP13.002 (LCUV)

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
CBGA	1500.000	8.00E-5	0.0015	87.7000	8.7700
CBD	150.000	1.00E-5	0.0015	66.2900	6.6290
CBDV	150.000	5.40E-5	0.0015	23.4400	2.3440
CBN	150.000	1.40E-5	0.0015	17.3800	1.7380
Delta-8 THC	150.000	2.60E-5	0.0015	12.8200	1.2820
CBG	15.000	2.48E-4	0.0015	5.8980	0.5898
CBCA	15.000	1.07E-4	0.0015	4.0340	0.4034
CBDVA	15.000	1.40E-5	0.0015	2.4410	0.2441
THCA-A	15.000	3.20E-5	0.0015	1.6850	0.1685
CBC	150.000	1.80E-5	0.0015	1.6800	0.1680
THCV	15.000	7.00E-6	0.0015	1.6100	0.1610
CBNA	15.000	9.50E-5	0.0015	0.7640	0.0764
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 THC	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
Delta-8-THCP	15.000	3.75E-4	0.0015	<LOQ	<LOQ
Delta-9-THCP	15.000	1.17E-5	0.0012	<LOQ	<LOQ
Exo-THC	15.000	2.30E-4	0.0015	<LOQ	<LOQ
THCVA	15.000	4.70E-5	0.0015	<LOQ	<LOQ

Potency Summary

8.546% Total HHC <LOQ	0.148% Total Active THC <LOQ
8.158% Total Active CBD <LOQ	8.281% Total CBG <LOQ
1.805% Total CBN <LOQ	2.177% Other Cannabinoids <LOQ
29.115% 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 = Delta6a10a-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, (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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Order Date: 2023-01-04
Sample # AADY053

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

Initial Gross Weight: 21.379 g



Pesticides

Specimen Weight: 263.840 mg

Passed

SOP13.007
(LCMS/GCMS)

Dilution Factor: 5.690

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: 209.600 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	61.1000	6.11	9(S)-HHCP	2.5500E-6	7.5E-5	<LOQ	
(9S)-HHC	8.7400E-7	7.5E-5	21.0000	2.1	Delta-9 THC	2.8000E-5	7.5E-5	<LOQ	
(±)-9B-hydroxy-HHC	4.5800E-7	7.5E-5	3.3600	0.336	Total HHC			85.4600	8.546
9(R)-HHCP	3.0900E-6	7.5E-5	<LOQ						

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Completion Date: 2023-01-10

Initial Gross Weight: 21.379 g

Residual Solvents - FL (CBD)

Specimen Weight: 10.600 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	8.302
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: 246.990 mg

Passed
SOP13.048 (ICP-MS)

Dilution Factor: 202

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	117.000	Lead (Pb)	11.76	100	500	239.000
Cadmium (Cd)	.64	100	500	100.000	Mercury (Hg)	.58	100	3000	<LOQ

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