



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

Certificate of Analysis

Compliance Test

MOONWLKR
15000 S. Avalon Blvd.
Unit D
Gardena, CA 90248

Batch # 229VDE1SLH
Batch Date: 2022-08-19
Extracted From: Hemp

Sampling Method: MSP 7.3.1
Test Reg State: Florida

Order # GRO220819-090001
Order Date: 2022-08-19
Sample # AADH217

Sampling Date: 2022-08-22
Lab Batch Date: 2022-08-22
Completion Date: 2022-08-26

Initial Gross Weight: 65.087 g

Number of Units: 1
Net Weight per Unit: 1.000 g



Product Image

Potency Tested
 Terpenes Tested
 Heavy Metals Passed
 2,3-Butanedione Passed
 Mycotoxins Passed

Pesticides Passed
 Residual Solvents Passed
 Pathogenic Microbiology Passed
 Listeria Monocytogenes Passed
 Vitamin E Passed

Delta 8/Delta 10 Potency 12

Specimen Weight: 53.030 mg

Tested
SOP13.043 (LCUV)

Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%)
Delta-8 THC	2.60E-5	0.001	785.420	78.542
CBDV	6.50E-5	0.001	3.130	0.313
CBC	1.80E-5	0.001	<LOQ	<LOQ
CBD	5.40E-5	0.001	<LOQ	<LOQ
CBDA	1.00E-5	0.001	<LOQ	<LOQ
CBG	2.48E-4	0.001	<LOQ	<LOQ
CBGA	8.00E-5	0.001	<LOQ	<LOQ
CBN	1.40E-5	0.001	<LOQ	<LOQ
Delta-10 THC	3.00E-6	0.001	<LOQ	<LOQ
Delta-9 THC	1.30E-5	0.1	<LOQ	<LOQ
THCA	3.20E-5	0.001	<LOQ	<LOQ
THCV	7.00E-6	0.001	<LOQ	<LOQ

Potency Summary

Total Delta 8 78.542%	785.420mg	Total Delta 10 None Detected
Total THC None Detected	-	Total CBD None Detected
Total CBG None Detected	-	Total CBN None Detected
Other Cannabinoids 0.313%	3.130mg	Total Cannabinoids 788.550mg

Terpenes Summary

Analyte	Result (mg/g)	(%)
(R)-(+)-Limonene	24.664	2.466%
Ocimene	11.116	1.116%
trans-Caryophyllene	9.732	0.973%
Terpinolene	8.016	0.802%
alpha-Bisabolol	7.568	0.757%
beta-Myrcene	4.917	0.492%
beta-Pinene	4.082	0.408%
alpha-Humulene	3.662	0.366%
alpha-Pinene	2.946	0.295%
alpha-Phellandrene	2.553	0.255%
Farnesene	2.303	0.23%
Valencene	1.772	0.177%
Gamma-Terpinene	1.189	0.119%
Nerol	0.4	0.04%

Total Terpenes: 8.496%

Detailed Terpenes Analysis is on the following page

Xueli Gao
Ph.D., DABT
Lab Toxicologist

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



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Completion Date: 2022-08-26

Initial Gross Weight: 65.087 g

Number of Units: 1
Net Weight per Unit: 1.000 g

Pesticides FL V4
Specimen Weight: 254.600 mg
Dilution Factor: 5.890

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	Fludioxonil	1.7400E+0	48	3000	<LOQ
Acephate	2.3000E-2	30	3000	<LOQ	Hexythiazox	4.9000E-2	30	2000	<LOQ
Acequinocyl	9.5640E+0	48	2000	<LOQ	Imazalil	2.4800E-1	30	100	<LOQ
Acetamiprid	5.2000E-2	30	3000	<LOQ	Imidacloprid	9.4000E-2	30	3000	<LOQ
Aldicarb	2.6000E-2	30	100	<LOQ	Kresoxim Methyl	4.2000E-2	30	1000	<LOQ
Azoxystrobin	8.1000E-2	10	3000	<LOQ	Malathion	8.2000E-2	30	2000	<LOQ
Bifenazate	1.4150E+0	30	3000	<LOQ	Metaxyl	8.1000E-2	10	3000	<LOQ
Bifenthrin	4.3000E-2	30	500	<LOQ	Methiocarb	3.2000E-2	30	100	<LOQ
Boscalid	5.5000E-2	10	3000	<LOQ	Methomyl	2.2000E-2	30	100	<LOQ
Captan	6.1200E+0	30	3000	<LOQ	methyl-Parathion	1.7100E+0	10	100	<LOQ
Carbaryl	2.2000E-2	10	500	<LOQ	Mevinphos	2.1500E+0	10	100	<LOQ
Carbofuran	3.4000E-2	10	100	<LOQ	Myclobutanil	1.0290E+0	30	3000	<LOQ
Chlorantraniliprole	3.3000E-2	10	3000	<LOQ	Naled	9.5000E-2	30	500	<LOQ
Chlordane	1.0000E+1	10	100	<LOQ	Oxamyl	2.5000E-2	30	500	<LOQ
Chlorfenapyr	3.4000E-2	30	100	<LOQ	Paclobotrazol	6.5000E-2	30	100	<LOQ
Chlomequat Chloride	1.0800E-1	10	3000	<LOQ	Pentachloronitrobenzene	1.3200E+0	10	200	<LOQ
Chlorpyrifos	3.5000E-2	30	100	<LOQ	Permethrin	3.4300E-1	30	1000	<LOQ
Clofentezine	1.1900E-1	30	500	<LOQ	Phosmet	8.2000E-2	30	200	<LOQ
Coumaphos	3.7700E+0	48	100	<LOQ	Piperonylbutoxide	2.9000E-2	30	3000	<LOQ
Cyfluthrin	3.1100E+0	30	1000	<LOQ	Prallethrin	7.9800E-1	30	400	<LOQ
Cypermethrin	1.4490E+0	30	1000	<LOQ	Propiconazole	7.0000E-2	30	1000	<LOQ
Daminozide	8.8500E-1	30	100	<LOQ	Propoxur	4.6000E-2	30	100	<LOQ
Diazinon	4.4000E-2	30	200	<LOQ	Pyrethrins	2.3593E+1	30	1000	<LOQ
Dichlorvos	2.1820E+0	30	100	<LOQ	Pyridaben	3.2000E-2	30	3000	<LOQ
Dimethoate	2.1000E-2	30	100	<LOQ	Spinetoram	8.0000E-2	10	3000	<LOQ
Dimethomorph	5.8300E+0	48	3000	<LOQ	Spirosad	8.8000E-2	30	3000	<LOQ
Ethoprophos	3.6000E-1	30	100	<LOQ	Spiromesifen	2.6100E-1	30	3000	<LOQ
Etofenprox	1.1600E-1	30	100	<LOQ	Spirotetramat	8.9000E-2	30	3000	<LOQ
Etoxazole	9.5000E-2	30	1500	<LOQ	Spiroxamine	1.3100E-1	30	100	<LOQ
Fenhexamid	5.1000E-1	10	3000	<LOQ	Tebuconazole	6.7000E-2	30	1000	<LOQ
Fenoxycarb	1.0700E-1	30	100	<LOQ	Thiacloprid	6.4000E-2	30	100	<LOQ
Fenpyroximate	1.3800E-1	30	2000	<LOQ	Thiamethoxam	5.0000E-2	30	1000	<LOQ
Fipronil	1.0700E-1	30	100	<LOQ	Trifloxystrobin	3.7000E-2	30	3000	<LOQ
Fonicamid	5.1700E-1	30	2000	<LOQ					

Passed
SOP13.007
(LCMS/GCMS)

Pathogenic Microbiology
SAE (MicroArray)

Specimen Weight: 1022.800 mg
Dilution Factor: 1.000

Analyte	Result (cfu/g)	Analyte	Result (cfu/g)
Aspergillus flavus	Absence in 1g	Aspergillus terreus	Absence in 1g
Aspergillus fumigatus	Absence in 1g	Salmonella	Absence in 1g
Aspergillus niger	Absence in 1g	STEC E. Coli	Absence in 1g

Passed
SOP13.019
(Micro Array)

2,3-butanedione(Diacetyl)
Specimen Weight: 10.500 mg
Dilution Factor: 1.000

Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)
2,3-Butanedione	.024	0.024	<LOQ

Passed
SOP13.039
(GCMS)

Listeria Monocytogenes
Specimen Weight: 987.100 mg
Dilution Factor: 1.000

Analyte	Action Level (cfu/g)	Result
Listeria Monocytogenes	1	Absence in 1g

Passed
SOP13.032
(qPCR)

Vitamin E (Tocopheryl Acetate)
Specimen Weight: 254.600 mg
Dilution Factor: 5.890

Analyte	LOD (ppb)	Result (ppb)
Vitamin E Acetate	.705	<LOQ

Passed
SOP13.007 (LC-MS)

Xueli Gao
Ph.D., DABT
Lab Toxicologist

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



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Number of Units: 1
Net Weight per Unit: 1.000 g



Terpenes

Specimen Weight: 53.030 mg

Dilution Factor: 20.000

Analyte	LOQ (%)	Result (mg/g)	(%)	Analyte	LOQ (%)	Result (mg/g)	(%)
(R)-(+)-Limonene	0.002	24.664	2.466	Camphene	0.002	<LOQ	
Ocimene	0.00033	11.160	1.116	Camphors	0.006	<LOQ	
trans-Caryophyllene	0.002	9.732	0.973	Caryophyllene oxide	0.002	<LOQ	
Terpinolene	0.002	8.016	0.802	cis-Nerolidol	0.002	<LOQ	
alpha-Bisabolol	0.002	7.568	0.757	Eucalyptol	0.002	<LOQ	
beta-Myrcene	0.002	4.917	0.492	Fenchone	0.002	<LOQ	
beta-Pinene	0.002	4.082	0.408	Fenchyl Alcohol	0.002	<LOQ	
alpha-Humulene	0.002	3.662	0.366	Geraniol	0.002	<LOQ	
alpha-Pinene	0.002	2.946	0.295	Geranyl acetate	0.002	<LOQ	
alpha-Phellandrene	0.002	2.553	0.255	Guaiol	0.002	<LOQ	
Famesene	0.002	2.303	0.230	Hexahydrothymol	0.002	<LOQ	
Valencene	0.002	1.772	0.177	Isobomeol	0.002	<LOQ	
Gamma-Terpinene	0.002	1.189	0.119	Isopulegol	0.002	<LOQ	
Nerol	0.002	0.400	0.040	Linalool	0.002	<LOQ	
(+)-Cedrol	0.002	<LOQ		Pulegone	0.002	<LOQ	
3-Carene	0.002	<LOQ		Sabinene	0.002	<LOQ	
alpha-Cedrene	0.002	<LOQ		Sabinene Hydrate	0.002	<LOQ	
alpha-Terpinene	0.002	<LOQ		Total Terpeneol	0.00126	<LOQ	
Borneol	0.004	<LOQ		trans-Nerolidol	0.002	<LOQ	

Tested

SOP13.045 (GC/GCMS)

Total Terpenes: 8.496%



Residual Solvents - FL (CBD)

Specimen Weight: 10.500 mg

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	<LOQ
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					

Passed

SOP13.039 (GCMS)

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Ph.D., DABT
Lab Toxicologist

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D.H.Sc., M.Sc., B.Sc., MT (AAB)
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Mycotoxins

Passed
SOP13.007 (LCMS)

Specimen Weight: N/A Dilution Factor: 5.890

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Aflatoxin B1	3.0400E-1	6	20	<LOQ	Aflatoxin G2	2.7100E-1	6	20	<LOQ
Aflatoxin B2	7.7000E-2	6	20	<LOQ	Ochratoxin A	7.5400E-1	12	20	<LOQ
Aflatoxin G1	3.0400E-1	6	20	<LOQ					

Heavy Metals

Passed
SOP13.048 (ICP-MS)

Specimen Weight: 252.060 mg

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

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