



License No. 800025015
FL License # CMTL-0003
CLIA No. 10D1094068

Certificate of Analysis

Compliance Test

SAGE ESSENTIALS

1298 Fieldview Trail
Howell, MI 48843

Batch # B2101121
Batch Date: 2021-10-11
Extracted From: HEMP

Sampling Method: MSP 7.3.1
Test Reg State: Florida

Production Facility: ALKURIME
Production Date: 2021-10-11

Order # ALK211013-030001
Order Date: 2021-10-13
Sample # AACB050

Sampling Date: 2021-10-14
Lab Batch Date: 2021-10-14
Completion Date: 2021-10-20

Initial Gross Weight: 396.500 g

Number of Units: 1
Net Weight per Unit: 242.000 g

- Potency Tested**
- Heavy Metals Passed**
- Mycotoxins Passed**
- Pesticides Passed**
- Residual Solvents Passed**
- Pathogenic Microbiology Passed**
- Listeria Monocytogenes Passed**

Product Image

Potency - 11

Specimen Weight: 113.540 mg

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result	
				(mg/g)	(%)
CBD	10.000	0.000054	0.001	2.068	0.207
CBC	10.000	0.000018	0.001		+LOQ
THCV	10.000	0.000007	0.001		+LOQ
Delta-9 THC	10.000	0.000013	0.001		+LOQ
Delta-8 THC	10.000	0.000026	0.001		+LOQ
CBN	10.000	0.000014	0.001		+LOQ
CBGA	10.000	0.00008	0.001		+LOQ
CBG	10.000	0.000248	0.001		+LOQ
CBDV	10.000	0.000065	0.001		+LOQ
CBDA	10.000	0.00001	0.001		+LOQ
THCA-A	10.000	0.000032	0.001		+LOQ

Tested (HPLC/LCMS)

Potency Summary

Total THC None Detected	Total CBD 0.207% 500.940mg
Total CBG None Detected	Total CBN None Detected
Other Cannabinoids None Detected	Total Cannabinoids 0.207% 500.940mg

Xuel Gao
Xuel Gao
Ph.D., DABT
Lab Toxicologist

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



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Number of Units: 1
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Heavy Metals

Specimen Weight: 245.000 mg

Passed
(ICP-MS)

Dilution Factor: 2.000

Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Arsenic (As)	100	1500	<LOQ	Cadmium (Cd)	100	500	<LOQ
Lead (Pb)	100	500	<LOQ	Mercury (Hg)	100	3000	<LOQ

Mycotoxins

Specimen Weight: 166.200 mg

Passed
(LCMS)

Dilution Factor: 9.025

Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Aflatoxin B1	5	20	<LOQ	Aflatoxin B2	5	20	<LOQ
Aflatoxin G1	5	20	<LOQ	Aflatoxin G2	5	20	<LOQ
Cochratoxin A	12	20	<LOQ				

Xueli Gao
Xueli Gao Lab Toxicologist
Ph.D., DABT

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



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Production Facility: ALKUHME
 Production Date: 2021-10-11

Order # ALK211013-030001
 Order Date: 2021-10-13
 Sample # AACB050

Sampling Date: 2021-10-14
 Lab Batch Date: 2021-10-14
 Completion Date: 2021-10-20

Initial Gross Weight: 396.500 g

Number of Units: 1
 Net Weight per Unit: 242.000 g

Pesticides FL V4
 Specimen Weight: 166.200 mg

Passed
 (LCMS/GCMS)

Dilution Factor: 9.025

Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Abamectin	28.23	300	<LOQ	Acephate	30	3000	<LOQ
Acequinocyl	48	2000	<LOQ	Acetamiprid	30	3000	<LOQ
Aldicarb	30	100	<LOQ	Azoxystrobin	10	3000	<LOQ
Bifenazate	30	3000	<LOQ	Bifenthrin	30	500	<LOQ
Boscalid	10	3000	<LOQ	Captaf	30	3000	<LOQ
Carbaryl	10	500	<LOQ	Carbofuran	10	100	<LOQ
Chlorantraniliprole	10	3000	<LOQ	Chlorfane	10	100	<LOQ
Chlorfenapyr	30	100	<LOQ	Chloromequat Chloride	10	3000	<LOQ
Chlorpyrifos	30	100	<LOQ	Clofentezine	30	500	<LOQ
Coumatophos	48	100	<LOQ	Cyfluthrin	30	1500	<LOQ
Cypermethrin	30	1000	<LOQ	Daminozide	30	100	<LOQ
Diazinon	30	200	<LOQ	Dichlorvos	30	100	<LOQ
Dimethoate	30	100	<LOQ	Dimethomorph	48	3000	<LOQ
Ethionphos	30	100	<LOQ	Etofenprox	30	100	<LOQ
Etoxazole	30	1500	<LOQ	Fenhexamid	10	3000	<LOQ
Fenoxycarb	30	100	<LOQ	Fenprophate	30	2000	<LOQ
Flpronil	30	100	<LOQ	Flonicamid	30	2000	<LOQ
Fludioxonil	48	3000	<LOQ	Heptachlor	30	2000	<LOQ
Imazalil	30	100	<LOQ	Imidacloprid	30	3000	<LOQ
Kresoxim Methyl	30	1000	<LOQ	Malathion	30	2500	<LOQ
Metolachl	10	3000	<LOQ	Methidathion	30	100	<LOQ
Methomyl	30	100	<LOQ	methyl-Parathion	10	100	<LOQ
Mevinphos	10	100	<LOQ	Myclobutanil	30	3000	<LOQ
Naled	30	500	<LOQ	Oxamyl	30	500	<LOQ
Permethrin	30	100	<LOQ	Pentachloronitrobenzene	10	200	<LOQ
Piperonylbutoxide	30	1000	<LOQ	Phosmet	30	200	<LOQ
Propiconazole	30	3000	<LOQ	Prallethrin	30	400	<LOQ
Pyrethrin	30	1000	<LOQ	Propoxur	30	100	<LOQ
Spinetoram	10	3000	<LOQ	Pyridaben	30	3000	<LOQ
Spiromesifen	30	3000	<LOQ	Spirodol	30	3000	<LOQ
Spiroxamine	30	100	<LOQ	Spirotetramat	30	3000	<LOQ
Thiacloprid	30	100	<LOQ	Tebuconazole	30	1000	<LOQ
Trifloxystrobin	30	3000	<LOQ	Thiamethoxam	30	1000	<LOQ

Xueli Gao
 Xueli Gao Lab Toxicologist
 Ph.D., DABT

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



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Number of Units: 1
Net Weight per Unit: 242.000 g



Residual Solvents - FL (CBD)

Specimen Weight: 12.100 mg

Passed
(GCMS)

Dilution Factor: 1.000

Analyte	LOQ (ppm)	Action Level (ppm)	Result (ppm)	Analyte	LOQ (ppm)	Action Level (ppm)	Result (ppm)
1,1-Dichloroethane	0.16	8	<LOQ	1,2-Dichloroethane	0.04	5	<LOQ
Acetone	2.08	5000	<LOQ	Acetonitrile	1.17	410	<LOQ
Benzene	0.02	2	<LOQ	Butanes	2.5	2000	<LOQ
Chloroform	0.04	60	Passed	Ethanol	2.78	5000	<LOQ
Ethyl Acetate	1.11	5000	<LOQ	Ethyl Ether	1.39	5000	<LOQ
Ethylene Oxide	0.1	5	<LOQ	Hexane	1.39	8000	<LOQ
Hexane	1.17	290	<LOQ	Isopropyl alcohol	1.39	500	<LOQ
Methanol	0.69	3000	<LOQ	Methylene chloride	2.43	600	<LOQ
Pentane	2.08	5000	<LOQ	Propane	5.83	2100	<LOQ
Toluene	2.92	890	<LOQ	Total Xylenes	2.92	2170	<LOQ
Trichloroethylene	0.49	80	<LOQ				

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Pathogenic Microbiology SAE (MicroArray) Passed (Micro Array)

Specimen Weight: 1008.100 mg

Dilution Factor: 1.000

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

Listeria Monocytogenes Passed (qPCR)

Specimen Weight: 1026.500 mg

Dilution Factor: 1.000

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

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