



Finished Product Testing Report

Lot No.: G001

Product Name: WSM DMAE Lotion

Manufacture Date: 07-24-2020

Expiration Date: 07-24-2022

Units Manufactured: 1,637

Lot Size: 1,637

Biomass COA ID: DSL061300-02

Distillate/Isolate COA ID: DSL08271900-01

Finished Product COA ID: G001

Finished Product Ingredients:

Organic Aloe Leaf Juice	Organic Coconut Oil	DMAE Bitartrate	Full Spectrum Hemp Extract Oil - Cannabinoids (CBD)
Emulsifying Wax	Stearic Acid	Glycerin	Organic Jojoba Seed Oil
Meadowfoam Seed Oil	Avocado Fruit Oil	Witch Hazel Water	Phenoxyethanol
Vitamin E	Sunflower Seed Oil	MSM	Organic White Willow Bark Extract
Organic Neem Seed Oil	Organic Rosemary Leaf Extract	Organic Sunflower Seed Oil	Organic Alcohol
Xanthan Gum	Tetrasodium Glutamate Diacetate		

Quality Assurance Status: Pass

Approved By: B. Estes

Date Approved: 08-04-2020



Certificate of Analysis

Jul 29, 2020 | Kentucky Naturals

8054 Production Dr.
Florence, KY, 41042, USA

Sample:MO00727007-001
Harvest/Lot ID: G001
Seed to Sale #N/A
Batch Date :N/A
Batch#: G001
Sample Size Received: 10 gram
Retail Product Size: 118 gram
Ordered : 07/24/20
Sampled : 07/24/20
Completed: 07/29/20 Expires: 07/29/21
Sampling Method: SOP Client Method

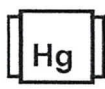
PASSED

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PRODUCT IMAGE SAFETY RESULTS



Pesticides
PASSED



Heavy Metals
PASSED



Microbials
PASSED



Mycotoxins
PASSED



Residuals Solvents
PASSED



Filtration
PASSED



Water Activity



Moisture



Terpenes
NOT TESTED

MISC.

CANNABINOID RESULTS



Total THC
0.054%
THC/Container :63.720 mg



Total CBD
1.433%
CBD/Container :1690.940 mg



Total Cannabinoids
1.575%
Total Cannabinoids/Container :1858.500 mg



Filtration

PASSED

Analyzed By : g Weight : NA Extraction date : NA LOD(ppm) : NA Extracted By : NA

Analysis Method :SOP.T.40.013 Batch Date : Analytical Batch :NA Reviewed On - 07/27/20 14:00:36 Instrument Used :

This includes but is not limited to hair, insects, feces, packaging contaminants, and manufacturing waste and by-products. An SH-28/T Stereo Microscope is used for inspection.

D9-THC	THCA	CBD	CBDA	D8-THC	THCV	CBN	CBDV	CBC	CBG	CBGA
0.054%	ND	1.433%	ND	ND	ND	ND	0.011%	0.059%	0.018%	ND
0.540 mg/g	ND	14.330 mg/g	ND	ND	ND	ND	0.110 mg/g	0.590 mg/g	0.180 mg/g	ND
LOD 0.0001 %	0.001 %	0.0001 %	0.001 %	0.001 %	0.001 %	0.001 %	0.001 %	0.001 %	0.001 %	0.001 %

Cannabinoid Profile Test

Analyzed by : 19 Weight : 2.9958g Extraction date : NA Extracted By : NA

Analysis Method :SOP.T.40.020, SOP.T.30.050 Reviewed On - 07/28/20 12:29:20 Analytical Batch :MO000847POT Instrument Used : HPLC Potency Analyzer Batch Date : 07/27/20 12:27:52

Reagent : Dilution : 40 Consums. ID :

Full spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with UV detection (HPLC-UV), (Method: SOP.T.30.050 for sample prep and Shimadzu High Sensitivity Method SOP.T.40.020 for analysis. LOD for all cannabinoids is 1 mg/L). Measurement of Uncertainty: 2.7%

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David Greene
Lab Director
State License # 19-05-02P
ISO Accreditation #
17025:2017 #97164



Signature

07/29/2020
Signed On



Certificate of Analysis

PASSED

Kentucky Naturals

8054 Production Dr.
Florence, KY, 41042, USA
Telephone: (859) 918-1890
Email: Amiles@kentuckynaturals.com

Sample : M000727007-001

Harvest/LOT ID: G001

Batch# : G001

Sampled : 07/24/20

Ordered : 07/24/20

Sample Size Received : 10 gram

Completed : 07/29/20 Expires: 07/29/21

Sample Method : SOP Client Method

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Pesticides

PASSED

Pesticides	LOD	Units	Action Level	Result
ABAMECTIN B1A	0.020	ppm	0.5	ND
ACEPHATE	0.010	ppm	0.5	ND
ACEQUINOCYL	0.02	ppm	2	ND
ACETAMIPRID	0.010	ppm	0.2	ND
ALDICARB	0.020	ppm	0.4	ND
AZOXYSTROBIN	0.010	ppm	0.2	ND
BIFENAZATE	0.010	ppm	0.2	ND
BIFENTHRIN	0.010	ppm	0.2	ND
BOSCALID	0.005	ppm	0.4	ND
CARBARYL	0.010	ppm	0.2	ND
CARBOFURAN	0.010	ppm	0.2	ND
CHLORANTRANILIPROLE	0.010	ppm	0.2	ND
CHLORPYRIFOS	0.010	ppm	0.2	ND
CLOFENTEZINE	0.010	ppm	0.2	ND
COUMAPHOS	0.005	ppm	0.2	ND
CYPERMETHRIN	0.010	ppm	1	ND
DAMINOZIDE	0.010	ppm	1	ND
DIAZANON	0.010	ppm	0.2	ND
DICHLORVOS	0.050	ppm	0.1	ND
DIMETHOATE	0.010	ppm	0.2	ND
DIMETHOMORPH	0.005	ppm	0.1	ND
ETHOPROPHOS	0.010	ppm	0.2	ND
ETOFENPROX	0.010	ppm	0.4	ND
ETOXAZOLE	0.010	ppm	0.2	ND
FENHEXAMID	0.005	ppm	0.1	ND
FENOXYCARB	0.010	ppm	0.2	ND
FENPYROXIMATE	0.010	ppm	0.4	ND
FIPRONIL	0.020	ppm	0.4	ND
FLONICAMID	0.010	ppm	1	ND
FLUDIOXONIL	0.010	ppm	0.4	ND
HEXYTHIAZOX	0.010	ppm	1	ND
IMAZALIL	0.010	ppm	0.2	ND
IMIDACLOPRID	0.010	ppm	0.4	ND
KRESOXIM-METHYL	0.010	ppm	0.4	ND
MALATHION	0.010	ppm	0.2	ND
METALAXYL	0.010	ppm	0.2	ND
METHIOCARB	0.010	ppm	0.2	ND
METHOMYL	0.010	ppm	0.6	ND
MEVINPHOS	0.010	ppm	0.1	ND
MYCLOBUTANIL	0.010	ppm	0.2	ND
NALED	0.010	ppm	0.5	ND
OXAMYL	0.010	ppm	1	ND
PACLOBUTRAZOL	0.010	ppm	0.4	ND
PERMETHRINS	0.050	ppm	1	ND
PHOSMET	0.010	ppm	0.2	ND
PIPERONYL BUTOXIDE	0.010	ppm	3	ND

Pesticides	LOD	Units	Action Level	Result
PRALLETHRIN	0.050	ppm	0.2	ND
PROPICONAZOLE	0.010	ppm	0.4	ND
PROPOXUR	0.010	ppm	0.2	ND
PYRETHRIN I	0.010	ppm	1	ND
PYRIDABEN	0.005	ppm	0.2	ND
SPINETORAM	0.005	ppm	0.5	ND
SPINOSAD (SPINOSYN A)	0.010	ppm	0.2	ND
SPINOSAD (SPINOSYN D)	0.010	ppm	0.2	ND
SPIROMESIFEN	0.010	ppm	0.2	ND
SPIROTETRAMAT	0.020	ppm	0.2	ND
SPIROXAMINE	0.010	ppm	0.4	ND
TEBUCONAZOLE	0.010	ppm	0.4	ND
THIACLOPRID	0.010	ppm	0.2	ND
THIAMETHOXAM	0.010	ppm	0.5	ND
TRIFLOXYSTROBIN	0.010	ppm	0.2	ND



Pesticides

PASSED

Analyzed by 9 Weight 0.507g Extraction date 07/28/20 03:07:02 Extracted By 9
 Analysis Method - SOP.T.30.060, SOP.T.40.060 ,
 Analytical Batch - M0000851PES Reviewed On- 07/27/20 14:00:36
 Instrument Used : LCMSMS 8060 P
 Batch Date : 07/28/20 15:18:31

Reagent	Dilution	Consums. ID
Pesticide screen is performed using LC-MS which can screen down to below single digit ppb concentrations for regulated Pesticides. Currently we analyze for 57 Pesticides. (Method: SOP.T.30.060 Sample Preparation for Pesticides Analysis via LCMSMS and SOP.T40.060 Procedure for Pesticide Quantification Using LCMS). *		

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David Greene

Lab Director

State License # 19-05-02P
ISO Accreditation #
17025:2017 #97164



Signature

07/29/2020

Signed On



Certificate of Analysis

PASSED

Kentucky Naturals

8054 Production Dr.
Florence, KY, 41042, USA
Telephone: (859) 918-1890
Email: Amiles@kentuckynaturals.com

Sample : M000727007-001

Harvest/LOT ID: G001

Batch# : G001

Sampled : 07/24/20

Ordered : 07/24/20

Sample Size Received : 10 gram

Completed : 07/29/20 Expires: 07/29/21

Sample Method : SOP Client Method

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Residual Solvents

PASSED



Residual Solvents

PASSED

Solvent	LOD	Units	Action Level (PPM)	Pass/Fail	Result
TRICHLOROETHENE	3	ppm	80	PASS	ND
CHLOROFORM	0.24	ppm	60	PASS	ND
1,2-DICHLOROETHENE	0.24	ppm	1870	PASS	ND
1,1-DICHLOROETHENE	2	ppm	8	PASS	ND
PENTANES	90	ppm	2500	PASS	ND
BUTANES (N-BUTANE)	50	ppm	5000	PASS	ND
ACETONITRILE	7.2	ppm	410	PASS	ND
ACETONE	90	ppm	5000	PASS	ND
2-PROPANOL	60	ppm	5000	PASS	ND
HEXANES	6	ppm	290	PASS	ND
XYLENES	18	ppm	2170	PASS	ND
TOLUENE	18	ppm	1068	PASS	ND
PROPANE	80	ppm	5000	PASS	ND
METHANOL	30	ppm	3000	PASS	ND
XYLENES-P (1,4-DIMETHYLBENZENE)	18	ppm	2170	PASS	ND
HEPTANE	60	ppm	5000	PASS	ND
XYLENES-M (1,3-DIMETHYLBENZENE)	18	ppm	2170	PASS	ND
ETHYLENE OXIDE	0.6	ppm	50	PASS	ND
XYLENES-O (1,2-DIMETHYLBENZENE)	18	ppm	2170	PASS	ND
ETHYL ETHER	60	ppm	5000	PASS	ND
ETHYL ACETATE	48	ppm	5000	PASS	ND
DICHLOROMETHANE	15	ppm	600	PASS	ND
ETHANOL	120	ppm	5000	PASS	337.000

Analyzed by 18 Weight 0.023g Extraction date 07/28/20 10:07:42 Extracted By 18

Analysis Method -SOP.T.40.032

Analytical Batch -M0000850SOL

Reviewed On - 07/28/20 11:59:27

Instrument Used : GCMS2010

Batch Date : 07/28/20 10:00:33

Reagent Dilution Consums. ID

Residual solvents screening is performed using GC-MS which can detect below single digit ppm concentrations. Currently we analyze for 33 Residual solvents. (Method: SOP.T.30.042 Residual Solvents Analysis via GC-MS).

David Greene

Lab Director

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17025:2017 #97164



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Certificate of Analysis

PASSED

Kentucky Naturals

8054 Production Dr.
Florence, KY, 41042, USA
Telephone: (859) 918-1890
Email: Amiles@kentuckynaturals.com

Sample : MO00727007-001

Harvest/LOT ID: G001

Batch# : G001

Sampled : 07/24/20

Ordered : 07/24/20

Sample Size Received : 10 gram

Completed : 07/29/20 Expires: 07/29/21

Sample Method : SOP Client Method

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Microbials

PASSED



Mycotoxins

PASSED

Analyte

ASPERGILLUS_TERREUS_1J2
ASPERGILLUS_NIGER
ASPERGILLUS_FUMIGATUS
ASPERGILLUS_FLAVUS
SALMONELLA_SPECIFIC_GENE
ESCHERICHIA_COLI_SHIGELLA_SPP

Result
not present in 1 gram.
not present in 1 gram.
not present in 1 gram.
not present in 1 gram.
not present in 1 gram.
not present in 1 gram.

Analyte

AFLATOXIN G2
AFLATOXIN G1
AFLATOXIN B2
AFLATOXIN B1
OCHRATOXIN A+

LOD

0.001
0.001
0.001
0.001
0.001

Units

ppm
ppm
ppm
ppm
ppm

Result

ND
ND
ND
ND
ND

Action Level (PPM)

0.02
0.02
0.02
0.02
0.02

Analysis Method -SOP.T.40.043

Analytical Batch -NA Batch Date :

Instrument Used :

Analysis Method -SOP.T.30.060, SOP.T.40.060

Analytical Batch -M0000852MYC | Reviewed On - 07/29/20 11:26:20

Instrument Used :

Batch Date : 07/28/20 15:19:16

Analyzed by	Weight	Extraction date	Extracted By
NA	NA	NA	NA

Analyzed by	Weight	Extraction date	Extracted By
9	1g	NA	NA

Microbiological testing for Fungal and Bacterial Identification via Polymerase Chain Reaction (PCR) method consisting of sample DNA amplified via tandem Polymerase Chain Reaction (PCR) as a crude lysate which avoids purification. (Method SOP.T.40.043) If a pathogenic Escherichia Coli, Salmonella, Aspergillus fumigatus, Aspergillus flavus, Aspergillus niger, or Aspergillus terreus is detected in 1g of a sample, the sample fails the microbiological-impurity testing.

Aflatoxins B1, B2, G1, G2, and Ochratoxins A testing using LC-MS. (Method: SOP.T.30.060 for Sample Preparation and SOP.T.40.060 Procedure for Mycotoxins Quantification Using LCMS. LOQ 1.0 ppb). Total Aflatoxins (Aflatoxin B1, B2, G1, G2) must be <20µg/Kg. Ochratoxins must be <20µg/Kg.



Heavy Metals

PASSED

Reagent

110119.52
110119.44
112519.01
110119.36

Metal	LOD	Unit	Result	Action Level (PPM)
ARSENIC	0.02	ppm	ND	10
CADMIUM	0.02	ppm	ND	4.1
LEAD	0.02	ppm	ND	10
MERCURY	0.02	ppm	ND	2

Analyzed by	Weight	Extraction date	Extracted By
18	0.509g	07/28/20 09:07:43	18

Analysis Method -SOP.T.40.050, SOP.T.30.052

Analytical Batch -M0000849HEA | Reviewed On - 07/28/20 11:23:46

Instrument Used : ICP-MS 2030

Batch Date : 07/28/20 09:00:04

Heavy Metals screening is performed using ICP-MS (Inductively Coupled Plasma - Mass Spectrometer) which can screen down to below single digit ppb concentrations for regulated heavy metals using Method SOP.T.30.052 Sample Preparation for Heavy Metals Analysis via ICP-MS and SOP.T.40.050 Heavy Metals Analysis via ICP-MS. *Action Limits based on Colorado Regulations.

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David Greene

Lab Director

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Signature

07/29/2020

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