



Finished Product Testing Report

Lot No.: 200430W31

Product Name: WSM Charcoal Facial Bar Soap

Manufacture Date: 04-30-2020

Expiration Date: 04-30-2022

Units Manufactured: 55

Lot Size: 55

Biomass COA ID: DSL061300-02

Distillate/Isolate COA ID: DSL08141900-01

Finished Product COA ID: 200430W31

Finished Product Ingredients:

Olive Oil	Aqua	Coconut Oil	Palm Oil (sustainably sourced)
Sodium Hydroxide	Castor Oil	Tea Tree Essential Oil	Tamanu Oil
Activated Charcoal	Sodium Lactate	Cannabinoids (CBD)	

Quality Assurance Status: Pass

Approved By: B. Estes

Date Approved: 08-07-2020



Sample: M000630003-012
Harvest/Lot ID: 200430W31
Seed to Sale #N/A
Batch Date :N/A
Batch#: 04/30/20
Sample Size Received: 10 ml
Retail Product Size: 284 gram
Ordered : 06/30/20
Sampled : 06/30/20
Completed: 08/07/20 Expires: 08/07/21
Sampling Method: SOP Client Method

Certificate of Analysis

Aug 07, 2020 | Kentucky Naturals

8054 Production Dr.
Florence, KY, 41042, USA

PASSED

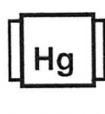
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PRODUCT IMAGE SAFETY RESULTS

MISC.



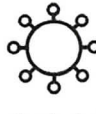
Pesticides
PASSED



Heavy Metals
PASSED



Microbials
PASSED



Mycotoxins
PASSED



Residuals Solvents
PASSED



Filtration
PASSED



Water Activity



Moisture



Terpenes
NOT TESTED

CANNABINOID RESULTS



Total THC
0.000%
THC/Container :0.000 mg



Total CBD
0.091%
CBD/Container :258.440 mg



Total Cannabinoids
0.091%
Total Cannabinoids/Container :258.440 mg



Filtration

PASSED

Analyzed By 1 Weight NA Extraction date NA LOD(ppm) NA Extracted By NA
Analysis Method -SOP.T.40.013 Batch Date :
Analytical Batch -NA Reviewed On - 07/02/20 14:12:47
Instrument Used :

This includes but is not limited to hair, insects, feces, packaging contaminants, and manufacturing waste and by-products. An SA-267 Stereo Microscope is used for inspection.

D9-THC	THCA	CBD	CBDA	D8-THC	THCV	CBN	CBDV	CBC	CBG	CBGA
ND	ND	0.091%	ND	ND	ND	ND	ND	ND	ND	ND
ND	ND	0.910 mg/g	ND	ND	ND	ND	ND	ND	ND	ND
LOD 0.0001 %	LOD 0.001 %	LOD 0.0001 %	LOD 0.001 %	LOD 0.001 %	LOD 0.001 %	LOD 0.001 %	LOD 0.001 %	LOD 0.001 %	LOD 0.001 %	LOD 0.001 %

Cannabinoid Profile Test

Analyzed by 1 Weight 1.5050g Extraction date : 07/01/20 11:07:53 Extracted By : 19

Analysis Method -SOP.T.40.020, SOP.T.30.050 Reviewed On - 08/07/20 11:23:06
Analytical Batch -M0000720POT Instrument Used : HPLC Potency Analyzer Batch Date : 07/01/20 09:11:26

Reagent Dilution Consums. ID

20
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

08/07/2020

Signed On



Certificate of Analysis

PASSED

Kentucky Naturals

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

Sample : MO00630003-012
Harvest/LOT ID: 200430W31

Batch# : 04/30/20 Sample Size Received : 10 ml
Sampled : 06/30/20 Completed : 08/07/20 Expires: 08/07/21
Ordered : 06/30/20 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 1 Weight 0.9991g Extraction date NA Extracted By NA
 Analysis Method - SOP.T.30.060, SOP.T.40.060 ,
 Analytical Batch - MO000726PES Reviewed On- 07/02/20 14:12:47
 Instrument Used : LCMSMS 8060 P
 Batch Date : 07/02/20 16:11:36

Reagent	Dilution	Consums. ID
103116.00		Amber Glass (Cat. No. 35100-104)-GLC-06787
103116.01		Amber Glass Autosampler Vial (46610-726 1.8 mL)-24153381
103116.02		Blue PP. Screw (9-426 Caps)-06280227

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

08/07/2020

Signed On



Certificate of Analysis

PASSED

Kentucky Naturals

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

Sample : MO00630003-012
Harvest/LOT ID: 200430W31

Batch# : 04/30/20
Sampled : 06/30/20
Ordered : 06/30/20

Sample Size Received : 10 ml
Completed : 08/07/20 Expires: 08/07/21
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	ND

Analyzed by 18 Weight 0.021g Extraction date 07/06/20 11:07:45 Extracted By 18

Analysis Method -SOP.T.40.032
Analytical Batch -MO000729SOL Reviewed On - 07/06/20 12:54:44
Instrument Used : GCMS2010
Batch Date : 07/06/20 11:33:52

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).

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David Greene
Lab Director

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08/07/2020

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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 : MO00630003-012
Harvest/LOT ID: 200430W31

Batch# : 04/30/20
Sampled : 06/30/20
Ordered : 06/30/20

Sample Size Received : 10 ml
Completed : 08/07/20 Expires: 08/07/21
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 Analyte

not present in 1 gram. AFLATOXIN G2
not present in 1 gram. AFLATOXIN G1
not present in 1 gram. AFLATOXIN B2
not present in 1 gram. AFLATOXIN B1
not present in 1 gram. OCHRATOXIN A+

LOD	Units	Result	Action Level (PPM)
0.001	ppm	ND	0.02
0.001	ppm	ND	0.02
0.001	ppm	ND	0.02
0.001	ppm	ND	0.02
0.001	ppm	ND	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 -MO000727MYC | Reviewed On - 07/03/20 11:02:49
Instrument Used :
Batch Date : 07/02/20 16:18:52

Analyzed by	Weight	Extraction date	Extracted By
NA	NA	NA	NA

Analyzed by	Weight	Extraction date	Extracted By
1	NA	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	0.506g	07/06/20 11:07:15	18

Analysis Method -SOP.T.40.050, SOP.T.30.052
Analytical Batch -MO000735HEA | Reviewed On - 07/06/20 13:54:30
Instrument Used : ICP-MS 2030
Batch Date : 07/06/20 11:42:32

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

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



Signature

08/07/2020

Signed On