



Finished Product Testing Report

Lot No.: 200413W56

Product Name: WSM Sport Tincture - 3000mg - Tangerine

Manufacture Date: 04-13-2020

Expiration Date: 04-13-2022

Units Manufactured: 250

Lot Size: 250

Biomass COA ID: DSL061300-02

Distillate/Isolate COA ID: DSL09061900-03

Finished Product COA ID: 200413W56

Finished Product Ingredients:

Full Spectrum Hemp Extract Oil

MCT Oil 60/40

Natural Tangerine Flavor - MCT Oil Soluble

Quality Assurance Status: Pass

Approved By: B. Estes

Date Approved: 07-30-2020



Certificate of Analysis

Sample: MO00630003-008
Harvest/Lot ID: 200413W56
Seed to Sale #N/A
Batch Date :N/A
Batch#: 04/13/20
Sample Size Received: 10 ml
Retail Product Size: 60
Ordered : 06/30/20
Sampled : 06/30/20
Completed: 07/06/20 Expires: 07/06/21
Sampling Method: SOP Client Method

PASSED

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Jul 06, 2020 | Kentucky Naturals

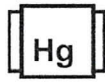
8054 Production Dr.
Florence, KY, 41042, USA

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
0.175%
THC/Container :100.369 mg



Total CBD
4.937%
CBD/Container :2831.797 mg



Total Cannabinoids
5.444%
Total Cannabinoids/Container :3122.352 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 14:10:42
Instrument Used :

This includes but is not limited to hair, insects, feces, packaging contaminants, and manufacturing waste and by-products. An SH-2BT Stereo Microscope is used for inspection.

D9-THC	THCA	CBD	CBDA	D8-THC	THCV	CBN	CBDV	CBC	CBG	CBGA
0.175%	ND	4.926%	0.013%	ND	ND	0.024%	0.020%	0.220%	0.066%	ND
1.750 mg/g	ND	49.260 mg/g	0.130 mg/g	ND	ND	0.240 mg/g	0.200 mg/g	2.200 mg/g	0.660 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 3.0434g Extraction date : 06/30/20 04:06:06 Extracted By : 19

Analysis Method -SOP.T.40.020, SOP.T.30.050 Reviewed On - 07/02/20 10:46:16
Analytical Batch -MO000717POT Instrument Used : HPLC Potency Analyzer Batch Date : 06/30/20 16:16:31

Reagent Dilution Consums. ID

061720.01
062520.R02
062520.R01

40

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. LOQ 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



Signature

07/06/2020

Signed On



Certificate of Analysis

PASSED

Kentucky Naturals

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

Sample : M000630003-008
Harvest/LOT ID: 200413W56

Batch# : 04/13/20 Sample Size Received : 10 ml
Sampled : 06/30/20 Completed : 07/06/20 Expires: 07/06/21
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 I Weight 0.9991g Extraction date NA Extracted by NA
 Analysis Method - SOP.T.30.060, SOP.T.40.060 ,
 Analytical Batch - M0000726PE5 Reviewed On- 07/02/20 14:10:42
 Instrument Used : LCM5MS 8060 P
 Batch Date : 07/02/20 16:11:36

Reagent	Dilution	Consums. ID
10101K.00		Amber Glass (Cat. No. 35100-104)-GLC-06787
10101K.07		Amber Glass Autosampler Vial (46610-726 1.8 mL)-24153351
10101K.04		Blue PP. Screw (9-426 Cap)-00289227
10101K.02		

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 LCM5MS 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



Signature

07/06/2020

Signed On



Certificate of Analysis

PASSED

Kentucky Naturals

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

Sample : M000630003-008
Harvest/LOT ID: 200413W56

Batch# : 04/13/20 Sample Size Received : 10 ml
Sampled : 06/30/20 Completed : 07/06/20 Expires: 07/06/21
Ordered : 06/30/20 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	Weight	Extraction date	Extracted By
18	0.030g	07/06/20 11:07:40	18
Analysis Method -SOP.T.40.032			
Analytical Batch -M0000729SOL		Reviewed On - 07/06/20 12:53:41	
Instrument Used : GCMS2010			
Batch Date : 07/06/20 11:33:52			

Reagent	Dilution	Consums. ID
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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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Certificate of Analysis

PASSED

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Telephone: (859) 918-1890
Email: Amiles@kentuckynaturals.com

Sample : M000630003-008
Harvest/LOT ID: 200413W56

Batch# : 04/13/20 Sample Size Received : 10 ml
Sampled : 06/30/20 Completed : 07/06/20 Expires: 07/06/21
Ordered : 06/30/20 Sample Method : SOP Client Method

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Mycotoxins

PASSED



Heavy Metals

PASSED

Analyte	LOD	Units	Result	Action Level (PPM)	Reagent
AFLATOXIN G2	0.001	ppm	ND	0.02	110119.52
AFLATOXIN G1	0.001	ppm	ND	0.02	110119.44
AFLATOXIN B2	0.001	ppm	ND	0.02	112519.01
AFLATOXIN B1	0.001	ppm	ND	0.02	110119.36
OCHRATOXIN A+	0.001	ppm	ND	0.02	

Analysis Method -SOP.T.30.060, SOP.T.40.060
Analytical Batch -M0000727MYC | Reviewed On - 07/03/20 11:02:14
Instrument Used :
Batch Date : 07/02/20 16:18:52

Analyzed by	Weight	Extraction date	Extracted By
1	NA	NA	NA

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.

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	0.497g	07/06/20 11:07:12	18

Analysis Method -SOP.T.40.050, SOP.T.30.052
Analytical Batch -M0000735HEA | Reviewed On - 07/06/20 13:51:00
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.



Microbials

PASSED

Analyte	Result
ASPERGILLUS_TERREUS_1J2	not present in 1 gram.
ASPERGILLUS_NIGER	not present in 1 gram.
ASPERGILLUS_FUMIGATUS	not present in 1 gram.
ASPERGILLUS_FLAVUS	not present in 1 gram.
SALMONELLA_SPECIFIC_GENE	not present in 1 gram.
ESCHERICHIA_COLI_SHIGELLA_SPP	not present in 1 gram.

Analysis Method -SOP.T.40.043
Analytical Batch -NA | Reviewed On - 07/06/20 15:14:15
Instrument Used :
Batch Date :

Analyzed by	Weight	Extraction date	Extracted By
NA	NA	NA	NA

Reagent	Dilution	Consums. ID

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.

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David Greene
Lab Director



07/06/2020

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