



Finished Product Testing Report

Lot No.: 200626W49T18

Product Name: WSM Sport Tincture - 1800mg - Tangerine

Manufacture Date: 06-26-2020

Expiration Date: 06-26-2022

Units Manufactured: 750

Lot Size: 750

Biomass COA ID: DSL061300-02

Distillate/Isolate COA ID: DSL09061900-03

Finished Product COA ID: 200626W49T18

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: 08-04-2020



Certificate of Analysis

Sample: M000730008-001

Harvest/Lot ID: 200626W49T18

Seed to Sale #N/A

Batch Date :N/A

Batch#: 200626W49T18

Sample Size Received: 60 ml

Retail Product Size: 60 ml

Ordered : 07/29/20

Sampled : 07/29/20

Completed: 08/03/20 Expires: 08/03/21

Sampling Method: SOP Client Method

PASSED

Page 1 of 4

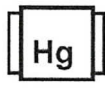
Aug 03, 2020 | Kentucky Naturals

8054 Production Dr.
Florence, KY, 41042, USA

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
0.116%
THC/Container :64.728 mg



Total CBD
3.741%
CBD/Container :2087.478 mg



Total Cannabinoids
4.078%
Total Cannabinoids/Container :2276.082 mg



Filtration

PASSED

Analyzed By	Weight	Extraction date	LOD(ppm)	Extracted By
9	NA	NA		NA

Analysis Method -SOP.T.40.013 Batch Date :
Analytical Batch -NA Reviewed On - 07/31/20 13:38:34
Instrument Used :

This includes but is not limited to hair, insects, feces, packaging contaminants, and manufacturing waste and by-products. An 50x20x7 Stereo Microscope is used for inspection.

D9-THC	THCA	CBD	CBDA	D8-THC	THCV	CBN	CBDV	CBC	CBG	CBGA
0.116%	ND	3.741%	ND	ND	ND	0.023%	0.014%	0.132%	0.053%	ND
1.160 mg/g	ND	37.410 mg/g	ND	ND	ND	0.230 mg/g	0.140 mg/g	1.320 mg/g	0.530 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	Weight	Extraction date :	Extracted By :
19	3.0054g	07/31/20 01:07:12	19

Analysis Method -SOP.T.40.020, SOP.T.30.050 Reviewed On - 08/03/20 09:36:16
Analytical Batch -M0000872POT Instrument Used : HPLC Potency Analyzer Batch Date : 07/31/20 12:55:38

Reagent	Dilution	Consums. ID
	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 #97164



Signature

08/03/2020

Signed On



673 N. Bardstown Rd
Mount Washington, KY, 40047, US

Kaycha Labs

1800 Tangerine

N/A

Matrix : Derivative



Certificate of Analysis

PASSED

Kentucky Naturals

8054 Production Dr.
Florence, KY, 41042, USA

Telephone: (859) 918-1890

Email: Amiles@kentuckynaturals.com

Sample : M000730008-001

Harvest/LOT ID: 200626W49T18

Batch# : 200626W49T18 Sample Size Received : 60 ml

Sampled : 07/29/20

Completed : 08/03/20 Expires: 08/03/21

Ordered : 07/29/20

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	Weight	Extraction date	Extracted By
g	0.4999g	07/31/20 01:07:37	g

Analysis Method - SOP.T.30.060, SOP.T.40.060 ,	Reviewed On- 07/31/20 13:38:34
Analytical Batch - M0000869PE5	
Instrument Used : LCMSMS 8060 M	
Batch Date : 07/31/20 10:39:42	

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

08/03/2020

Signed On



Certificate of Analysis

PASSED
Kentucky Naturals

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

Sample : M000730008-001

Harvest/LOT ID: 200626W49T18

Batch# : 200626W49T18 **Sample Size Received :** 60 ml

Sampled : 07/29/20

Completed : 08/03/20 **Expires:** 08/03/21

Ordered : 07/29/20

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	0.049g	07/31/20 10:07:54	18

Analysis Method -SOP.T.40.032
Analytical Batch -M0000871SOL **Reviewed On -** 07/31/20 10:56:43
Instrument Used : GCMS2010
Batch Date : 07/31/20 10:43:04

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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 17025:2017 #97164

Signature

08/03/2020

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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 : MO00730008-001
 Harvest/LOT ID: 200626W49T18

 Batch# : 200626W49T18 Sample Size Received : 60 ml
 Sampled : 07/29/20 Completed : 08/03/20 Expires: 08/03/21
 Ordered : 07/29/20 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+
 not present in 1 gram.

LOD	Units	Result	Action Level (PPM)
0.001	ppm	ND	0.02
0.001	ppm	ND	0.02
0.001	ppm	0.001	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 -MO000879MYC | Reviewed On - 08/03/20 09:42:33
 Instrument Used : LCMSMS 8060 M
 Batch Date : 08/03/20 09:37:52

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	0.504g	07/31/20 09:07:22	18

 Analysis Method -SOP.T.40.050, SOP.T.30.052
 Analytical Batch -MO000868HEA | Reviewed On - 07/31/20 12:24:31
 Instrument Used : ICP-MS 2030
 Batch Date : 07/31/20 09:23:30

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

08/03/2020

Signed On