



## Finished Product Testing Report

**Lot No.:** 200610W56T30

**Product Name:** WSM Sport Tincture - 3000mg - Tangerine

**Manufacture Date:** 06-10-2020

**Expiration Date:** 06-10-2022

**Units Manufactured:** 250

**Lot Size:** 250

**Biomass COA ID:** DSL061300-02

**Distillate/Isolate COA ID:** DSL09061900-03

**Finished Product COA ID:** 200610W56T30

### 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: M000630003-009  
Harvest/Lot ID: 200610W56T30  
Seed to Sale #N/A  
Batch Date :N/A  
Batch#: 06/10/20  
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

Jul 06, 2020 | Kentucky Naturals

8054 Production Dr.  
Florence, KY, 41042, USA

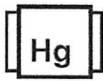
**PASSED**

Page 1 of 4

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  
**0.174%**

THC/Container :99.796 mg



Total CBD  
**4.908%**

CBD/Container :2815.164 mg



Total Cannabinoids  
**5.411%**

Total Cannabinoids/Container  
**:3103.425 mg**

D9-THC	THCA	CBD	CBDA	D8-THC	THCV	CBN	CBDV	CBC	CBG	CBGA
0.174%	ND	4.897%	0.013%	ND	ND	0.024%	0.020%	0.217%	0.066%	ND
1.740 mg/g	ND	48.970 mg/g	0.130 mg/g	ND	ND	0.240 mg/g	0.200 mg/g	2.170 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 %



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 14:12:36  
Instrument Used :

This includes but is not limited to hair, insects, feces, packaging contaminants, and manufacturing waste and by-products. An 8K-2BT Stereo Microscope is used for inspection.

Cannabinoid Profile Test

Analyzed by : 19 Weight : 3.0203g 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 10:46:24  
Analytical Batch : -M0000717POT 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. 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



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 : M000630003-009  
Harvest/LOT ID: 200610W56T30

Batch# : 06/10/20      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

Page 2 of 4



## Pesticides

**PASSED**

Pesticides	LOD	Units	Action Level	Result	Pesticides	LOD	Units	Action Level	Result
ABAMECTIN B1A	0.020	ppm	0.5	ND	PRALLETHRIN	0.050	ppm	0.2	ND
ACEPHATE	0.010	ppm	0.5	ND	PROPICONAZOLE	0.010	ppm	0.4	ND
ACEQUINOCYL	0.02	ppm	2	ND	PROPOXUR	0.010	ppm	0.2	ND
ACETAMIPRID	0.010	ppm	0.2	ND	PYRETHRIN I	0.010	ppm	1	ND
ALDICARB	0.020	ppm	0.4	ND	PYRIDABEN	0.005	ppm	0.2	ND
AZOXYSTROBIN	0.010	ppm	0.2	ND	SPINETORAM	0.005	ppm	0.5	ND
BIFENAZATE	0.010	ppm	0.2	ND	SPINOSAD (SPINOSYN A)	0.010	ppm	0.2	ND
BIFENTHRIN	0.010	ppm	0.2	ND	SPINOSAD (SPINOSYN D)	0.010	ppm	0.2	ND
BOSCALID	0.005	ppm	0.4	ND	SPIROMESIFEN	0.010	ppm	0.2	ND
CARBARYL	0.010	ppm	0.2	ND	SPIROTETRAMAT	0.020	ppm	0.2	ND
CARBOFURAN	0.010	ppm	0.2	ND	SPIROXAMINE	0.010	ppm	0.4	ND
CHLORANTRANILIPROLE	0.010	ppm	0.2	ND	TEBUCONAZOLE	0.010	ppm	0.4	ND
CHLORPYRIFOS	0.010	ppm	0.2	ND	THIACLOPRID	0.010	ppm	0.2	ND
CLOFENTEZINE	0.010	ppm	0.2	ND	THIAMETHOXAM	0.010	ppm	0.5	ND
COUMAPHOS	0.005	ppm	0.2	ND	TRIFLOXYSTROBIN	0.010	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** **PASSED**

Analyzed by	Weight	Extraction date	Extracted By
I	0.9931g	NA	NA

Analysis Method - SOP.T.30.060, SOP.T.40.060 ,  
 Analytical Batch - M0000726PES      Reviewed On- 07/02/20 14:12:36  
 Instrument Used : LCMSMS 8060 P  
 Batch Date : 07/02/20 16:11:36

Reagent	Dilution	Consums. ID
100010.02		Amber Glass (Cat. No. 35109-104)-GLC-06787
100010.07		Amber Glass Autosampler Vial (46619-726 1.8 mL)-24151381
100010.04		Blue PP. Screw (9-426 Cap)-00280227
100010.01		
100010.03		

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

*David Greene*  
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 : M000630003-009  
Harvest/LOT ID: 200610W56T30

Batch# : 06/10/20      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

Page 3 of 4



## 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 0.040g      Extraction date 07/06/20 11:07:41      Extracted By 18  
 Analysis Method -SOP.T.40.032  
 Analytical Batch -M0000729SOL      Reviewed On - 07/06/20 12:53:56  
 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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Signature

07/06/2020  
Signed On





# Certificate of Analysis

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

Sample : M000630003-009

Harvest/LOT ID: 200610W56T30

Batch# : 06/10/20 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

Page 4 of 4



## 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 11:02:27  
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. LOG 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	0.520g	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 13:51:39  
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 15:14:22  
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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