



Finished Product Testing Report

Lot No.: 200412W49

Product Name: WSM Sport Tincture - 1800mg - Tangerine

Manufacture Date: 04-12-2020

Expiration Date: 04-12-2022

Units Manufactured: 250

Lot Size: 250

Biomass COA ID: DSL061300-02

Distillate/Isolate COA ID: DSL09061900-03

Finished Product COA ID: 200412W49

inished 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:MO00731010-001
Harvest/Lot ID: 200412W49
Seed to Sale #N/A
Batch Date :N/A
Batch#: 200412W49
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

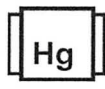
Aug 03, 2020 | Kentucky Naturals

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
0.114%
THC/Container :63.612 mg



Total CBD
3.730%
CBD/Container :2081.340 mg



Total Cannabinoids
4.065%
Total Cannabinoids/Container :2268.270 mg



Filtration

PASSED

Analyzed By : 19 Weight : NA Extraction date : NA LOD(ppm) : NA Extracted By : NA

Analysis Method :SOP.T.40.013 Batch Date :
Analytical Batch :NA Reviewed On : 07/31/20 13:39:45
Instrument Used :

This includes but is not limited to hair, insects, ferns, packaging contaminants, and manufacturing waste and by-products. An 50x70xT Stereo Microscope is use for inspection.

D9-THC	THCA	CBD	CBDA	D8-THC	THCV	CBN	CBDV	CBC	CBG	CBGA
0.114%	ND	3.730%	ND	ND	ND	0.023%	0.015%	0.130%	0.053%	ND
1.140 mg/g	ND	37.300 mg/g	ND	ND	ND	0.230 mg/g	0.150 mg/g	1.300 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 : 19 Weight : 1g Extraction date : NA Extracted By : NA

Analysis Method :SOP.T.40.020, SOP.T.30.050 Reviewed On : 08/03/20 09:36:55
Analytical Batch :MO000872POT 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 : MO00731010-001
Harvest/LOT ID: 200412W49

Batch# : 200412W49
Sampled : 07/29/20
Ordered : 07/29/20

Sample Size Received : 60 ml
Completed : 08/03/20 Expires: 08/03/21
Sample Method : SOP Client Method

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Pesticides

PASSED

Table with 5 columns: Pesticides, LOD, Units, Action Level, Result. Lists various pesticides like ABAMECTIN B1A, ACEPHATE, etc.

Table with 5 columns: Pesticides, LOD, Units, Action Level, Result. Lists various pesticides like PRALLETHRIN, PROPICONAZOLE, etc.



Pesticides

PASSED

Analyzed by 9 Weight 1.0020g Extraction date 07/31/20 01:07:56 Extracted By 9
Analysis Method - SOP.T.30.060, SOP.T.40.060, Analytical Batch - MO000869PES Instrument Used : LCMSMS 8060 M Reviewed On- 07/31/20 13:39:45
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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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 : MO00731010-001
Harvest/LOT ID: 200412W49

Batch# : 200412W49
Sampled : 07/29/20
Ordered : 07/29/20

Sample Size Received : 60 ml
Completed : 08/03/20 Expires: 08/03/21
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	480.000
DICHLOROMETHANE	15	ppm	600	PASS	ND
ETHANOL	120	ppm	5000	PASS	4830.000

Analyzed by 18 Weight 0.025g Extraction date 08/03/20 08:08:16 Extracted By 18

Analysis Method -SOP.T.40.032
Analytical Batch -MO00087750L Reviewed On - 08/03/20 10:48:35
Instrument Used : GCMS2010
Batch Date : 08/03/20 08:50:18

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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08/03/2020

Signed On



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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 : M000731010-001
Harvest/LOT ID: 200412W49

Batch# : 200412W49 **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.
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.

LOD Units Result Action Level (PPM)

Analyte	LOD	Units	Result	Action Level (PPM)
AFLATOXIN G2	0.001	ppm	ND	0.02
AFLATOXIN G1	0.001	ppm	ND	0.02
AFLATOXIN B2	0.001	ppm	ND	0.02
AFLATOXIN B1	0.001	ppm	ND	0.02
OCHRATOXIN A+	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 -M0000879MYC | **Reviewed On -** 08/03/20 09:44:08
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 I C-MS. (Method: SOP.T.30.060 for Sample Preparation and SOP.T40.060 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	0.500g	08/03/20 08:08:24	18

Analysis Method -SOP.T.40.050, SOP.T.30.052
Analytical Batch -M0000878HEA | **Reviewed On -** 08/03/20 10:42:27
Instrument Used : ICP-MS 2030
Batch Date : 08/03/20 08:57:04

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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