

Batch #: T200002

Batch QR Code:



Destination URL:

<https://hoglabs.info/T200002.pdf>

Description:

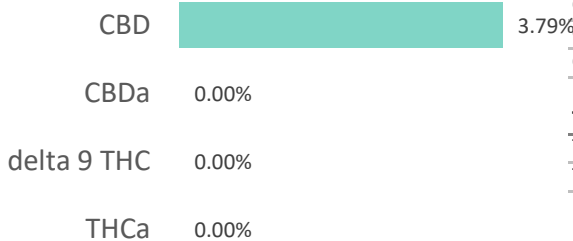
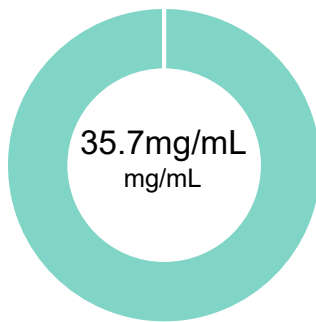
1000mg Broad Spectrum Hemp Distillate Tincture, Certificate of Analysis (CoA), Safety Data Sheet (SDS), Flavors (Blood Orange, Melon)

Best By:

JUNE 2021

BLOOD ORANGE TINCTURE MHL #3

Batch ID:	T200002	Test ID:	6715330.001
Reported:	5-Jun-2020	Method:	TM14
Type:	Solution		
Test:	Potency		

CANNABINOID PROFILE


Compound	LOQ (mg/mL)	Result (mg/mL)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.60	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.30	ND	ND
Cannabidiolic acid (CBDA)	0.30	ND	ND
Cannabidiol (CBD)	0.17	35.70	37.9
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.33	ND	ND
Cannabinolic Acid (CBNA)	0.83	ND	ND
Cannabinol (CBN)	0.37	ND	ND
Cannabigerolic acid (CBGA)	0.53	ND	ND
Cannabigerol (CBG)	0.30	ND	ND
Tetrahydrocannabivarinic Acid (THCVA)	0.52	ND	ND
Tetrahydrocannabivarin (THCV)	0.27	ND	ND
Cannabidivarinic Acid (CBDVA)	0.28	ND	ND
Cannabidivarin (CBDV)	0.15	ND	ND
Cannabichromenic Acid (CBCA)	0.45	ND	ND
Cannabichromene (CBC)	0.54	1.20	1.3
Total Cannabinoids		36.90	39.18
Total Potential THC**		ND	ND
Total Potential CBD**		35.70	37.92

NOTES:

Density = 0.940541g/mL

N/A


% = % (w/w) = Percent (Weight of Analyte / Weight of Product)

* Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.


** Total Potential THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step.

Total THC = THC + (THCa * (0.877)) and Total CBD = CBD + (CBDa * (0.877))

ND = None Detected (Defined by Dynamic Range of the method)

FINAL APPROVAL


Ryan Weems
5-Jun-2020
5:36 PM



Greg Zimpfer
5-Jun-2020
7:11 PM

PREPARED BY / DATE

APPROVED BY / DATE

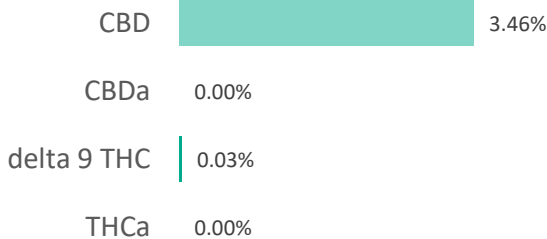
Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC. ISO/IEC 17025:2005 Accredited A2LA Certificate Number 4329.02



Certificate #4329.02

MELON TINCTURE MHL #3

Batch ID:	T200002	Test ID:	6715330.002
Reported:	5-Jun-2020	Method:	TM14
Type:	Solution		
Test:	Potency		

CANNABINOID PROFILE


Compound	LOQ (mg/mL)	Result (mg/mL)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.54	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.27	0.30	0.3
Cannabidiolic acid (CBDA)	0.27	ND	ND
Cannabidiol (CBD)	0.15	32.70	34.6
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.30	ND	ND
Cannabinolic Acid (CBNA)	0.74	ND	ND
Cannabinol (CBN)	0.33	ND	ND
Cannabigerolic acid (CBGA)	0.47	ND	ND
Cannabigerol (CBG)	0.27	ND	ND
Tetrahydrocannabivarinic Acid (THCVA)	0.46	ND	ND
Tetrahydrocannabivarin (THCV)	0.24	ND	ND
Cannabidivarinic Acid (CBDVA)	0.25	ND	ND
Cannabidivarin (CBDV)	0.14	ND	ND
Cannabichromenic Acid (CBCA)	0.40	ND	ND
Cannabichromene (CBC)	0.49	1.20	1.2
Total Cannabinoids		34.20	36.14
Total Potential THC**		0.30	0.31
Total Potential CBD**		32.70	34.59

NOTES:

Density = 0.946561g/mL

N/A


% = % (w/w) = Percent (Weight of Analyte / Weight of Product)

* Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.


** Total Potential THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step.

Total THC = THC + (THCa * (0.877)) and Total CBD = CBD + (CBDa * (0.877))

ND = None Detected (Defined by Dynamic Range of the method)

FINAL APPROVAL


Ryan Weems
5-Jun-2020
5:36 PM



Greg Zimpfer
5-Jun-2020
7:11 PM

PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.02

BLOOD ORANGE TINCTURE MHL #3

Batch ID:	T200002	Test ID:	T000078991
Reported:	7-Jun-2020	Method:	Edible - Test Methods: TM05, TM06
Type:	Edible		
Test:	Microbial Contaminants		

MICROBIAL CONTAMINANTS


Contaminant	Result (CFU/g)*
Total Aerobic Count**	None Detected
Total Coliforms**	None Detected
Total Yeast and Molds**	None Detected
E. coli	None Detected
Salmonella	None Detected

* CFU/g = Colony Forming Unit per Gram

** Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form.

Examples: $10^2 = 100$ CFU
 $10^3 = 1,000$ CFU
 $10^4 = 10,000$ CFU
 $10^5 = 100,000$ CFU

NOTES:

Free from visual mold, mildew, and foreign matter
TYM: None Detected
Total Aerobic: None Detected
Coliforms: None Detected**FINAL APPROVAL**
Mara Miller
7-Jun-2020
2:57 PM
Mike Branvold
7-Jun-2020
9:14 PM

PREPARED BY / DATE

APPROVED BY / DATE

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC. ISO/IEC 17025:2005 Accredited A2LA Certificate Number 4329.03



Certificate #4329.03

MELON TINCTURE MHL #3

Batch ID:	T200002	Test ID:	T000078995
Reported:	7-Jun-2020	Method:	Edible - Test Methods: TM05, TM06
Type:	Edible		
Test:	Microbial Contaminants		

MICROBIAL CONTAMINANTS


Contaminant	Result (CFU/g)*
Total Aerobic Count**	None Detected
Total Coliforms**	None Detected
Total Yeast and Molds**	None Detected
<i>E. coli</i>	None Detected
<i>Salmonella</i>	None Detected

* CFU/g = Colony Forming Unit per Gram

** Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form.

Examples: $10^2 = 100$ CFU
 $10^3 = 1,000$ CFU
 $10^4 = 10,000$ CFU
 $10^5 = 100,000$ CFU

NOTES:

Free from visual mold, mildew, and foreign matter
TYM: None Detected
Total Aerobic: None Detected
Coliforms: None Detected**FINAL APPROVAL**
Mara Miller
7-Jun-2020
2:57 PM
Mike Branvold
7-Jun-2020
9:14 PM

PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.03


BLOOD ORANGE TINCTURE MHL #3

Batch ID:	T200002	Test ID:	T000078992
Reported:	9-Jun-2020	Method:	TM19
Type:	Other		
Test:	Metals		

HEAVY METALS

Analyte	Dynamic Range (ppm)	Result (ppm)
Arsenic	0.072 - 7.20	ND
Cadmium	0.071 - 7.10	ND
Mercury	0.072 - 7.17	ND
Lead	0.072 - 7.25	ND

* ND = None Detected (Defined by Dynamic Range of the method)

FINAL APPROVAL

Ryan Weems
9-Jun-2020
1:59 PM

PREPARED BY / DATE



Ben Minton
9-Jun-2020
4:26 PM

APPROVED BY / DATE

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MELON TINCTURE MHL #3

Batch ID:	T200002	Test ID:	T000078996
Reported:	9-Jun-2020	Method:	TM19
Type:	Other		
Test:	Metals		

HEAVY METALS

Analyte	Dynamic Range (ppm)	Result (ppm)
Arsenic	0.058 - 5.79	ND
Cadmium	0.057 - 5.70	ND
Mercury	0.058 - 5.77	ND
Lead	0.058 - 5.83	ND

* ND = None Detected (Defined by Dynamic Range of the method)

FINAL APPROVAL

Ryan Weems
9-Jun-2020
1:59 PM

PREPARED BY / DATE



Ben Minton
9-Jun-2020
4:26 PM

APPROVED BY / DATE

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Certificate of Analysis



Final Product: Tincture - Hemp Oil Distillate
Flavor: Blood Orange **Strength:** 1000mg
Date of Manufacture: 6/2019

Lot Number: PL1905F-029

MILE HIGH LABS™

Test	Methodology	Specification	Test Results (Average)*	Pass/Fail	
Color and Appearance - Product	TM-004 (Visual)	Clear or yellow to orange/red clear, flowing, liquid free of particulates	Conforms	Pass	
Aroma/Odor	TM-004 (Organoleptic)	Prominent labeled aroma	Conforms	Pass	
Flavor	TM-004 (Organoleptic)	Prominent labeled taste	Conforms	Pass	
CBD Identification	TM-003 (DAD Retention Time)	Retention time of the primary peak in sample chromatogram matches that in the analytical reference standard.	Conforms	Pass	
	TM-003 (DAD UV Spectrum)	UV Spectrum of the primary peak in sample chromatogram matches that in the analytical reference standard.	Conforms	Pass	
CBD Content Assay (% of label claim)	TM-003 (HPLC-DAD)	90.0 – 110.0%	103.6	Pass	
THC Content (% w/w)	THC	TM-003 (HPLC-DAD)	Report	0.070	N/A
	THCA	TM-003 (HPLC-DAD)	Report	ND	N/A
	Total THC	TM-003 (HPLC-DAD)	≤ 0.3%	0.070	Pass
Related Cannabinoid Content (% w/w)	CBDA	TM-003 (HPLC-DAD)	Report	ND	N/A
	CBN	TM-003 (HPLC-DAD)	Report	0.008	N/A
	CBDV	TM-003 (HPLC-DAD)	Report	0.014	N/A
	CBG	TM-003 (HPLC-DAD)	Report	0.019	N/A
	Other (Highest)	TM-003 (HPLC-DAD)	Report	0.143	N/A
	Total	TM-003 (HPLC-DAD)	Report	0.344	N/A
Total Cannabinoids (CBD plus total RCs, % w/w)	TM-003 (HPLC-DAD)	Report	3.917	N/A	
Pesticides (Highest, ppm)	Individual Pesticide Content Test List†	LC-MS‡	Conforms†	Conforms	Pass
Elemental Impurities (ppm)	Arsenic	ICP-MS‡	< 1.5 ppm	<LOQ	Pass
	Cadmium	ICP-MS‡	< 0.5 ppm	<LOQ	Pass
	Lead	ICP-MS‡	< 0.5 ppm	<LOQ	Pass
	Mercury	ICP-MS‡	< 1.5 ppm	0.008	Pass

* Number of replicates: 4

† Full list of individual pesticide residues on file, Eurofins LOQ of 0.05 ppm for individual residues.

‡ Contract Testing performed by Eurofins BioDiagnostics.

Prepared by

DocuSigned by:

Beth Grant



Signer Name: Beth Grant
 Signing Reason: I am the author of this document
 Signing Time: 9/16/2019 | 1:47:24 PM PDT

601DBDEA79BB4F4C8D9E7AF3E31F80D7

Quality Approval

DocuSigned by:

Josh Harrelson



Signer Name: Josh Harrelson
 Signing Reason: I approve this document
 Signing Time: 9/17/2019 | 11:09:03 AM PDT

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Certificate of Analysis



Final Product: Tincture - Hemp Oil Distillate
Flavor: Melon **Strength:** 1000mg
Date of Manufacture: 6/2019

Lot Number: PL1905F-031

MILE HIGH LABS™

Test	Methodology	Specification	Test Results (Average)*	Pass/Fail	
Color and Appearance - Product	TM-004 (Visual)	Clear or yellow to orange/red clear, flowing, liquid free of particulates	Conforms	Pass	
Aroma/Odor	TM-004 (Organoleptic)	Prominent labeled aroma	Conforms	Pass	
Flavor	TM-004 (Organoleptic)	Prominent labeled taste	Conforms	Pass	
CBD Identification	TM-003 (DAD Retention Time)	Retention time of the primary peak in sample chromatogram matches that in the analytical reference standard.	Conforms	Pass	
	TM-003 (DAD UV Spectrum)	UV Spectrum of the primary peak in sample chromatogram matches that in the analytical reference standard.	Conforms	Pass	
CBD Content Assay (% of label claim)	TM-003 (HPLC-DAD)	90.0 – 110.0%	99.0	Pass	
THC Content (% w/w)	THC	TM-003 (HPLC-DAD)	Report	0.071	N/A
	THCA	TM-003 (HPLC-DAD)	Report	ND	N/A
	Total THC	TM-003 (HPLC-DAD)	≤ 0.3%	0.071	Pass
Related Cannabinoid Content (% w/w)	CBDA	TM-003 (HPLC-DAD)	Report	ND	N/A
	CBN	TM-003 (HPLC-DAD)	Report	0.008	N/A
	CBDV	TM-003 (HPLC-DAD)	Report	0.013	N/A
	CBG	TM-003 (HPLC-DAD)	Report	0.019	N/A
	Other (Highest)	TM-003 (HPLC-DAD)	Report	0.142	N/A
	Total	TM-003 (HPLC-DAD)	Report	0.334	N/A
Total Cannabinoids (CBD plus total RCs, % w/w)	TM-003 (HPLC-DAD)	Report	3.747	N/A	
Pesticides (Highest, ppm)	Individual Pesticide Content Test List†	LC-MS‡	Conforms†	Conforms	Pass
Elemental Impurities (ppm)	Arsenic	ICP-MS‡	< 1.5 ppm	<LOQ	Pass
	Cadmium	ICP-MS‡	< 0.5 ppm	<LOQ	Pass
	Lead	ICP-MS‡	< 0.5 ppm	<LOQ	Pass
	Mercury	ICP-MS‡	< 1.5 ppm	<LOQ	Pass

* Number of replicates: 4

† Full list of individual pesticide residues on file, Eurofins LOQ of 0.05 ppm for individual residues.

‡ Contract Testing performed by Eurofins BioDiagnostics.

Prepared by

DocuSigned by:

Beth Grant



Signer Name: Beth Grant
 Signing Reason: I am the author of this document
 Signing Time: 9/16/2019 | 1:49:01 PM PDT

601DBDEA79BB4F4C8D9E7AF3E31F80D7

Quality Approval

DocuSigned by:

Josh Harrelson



Signer Name: Josh Harrelson
 Signing Reason: I approve this document
 Signing Time: 9/17/2019 | 11:09:36 AM PDT

15E509A466BE44BAB51EC15D7A083509



MILE HIGH LABS

Safety Data Sheet

According to Regulation (EC) No 1907/2006

BLOOD ORANGE FLAVORING DISTILLATE TINCTURE OIL

Product code: FX-006 – Blood Orange

Page 1 of 8

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

BLOOD ORANGE FLAVORING DISTILLATE TINCTURE OIL

1.2. Relevant identified uses of the substance or mixture and uses advised against

Uses advised against

Any non-intended use.

1.3. Details of the supplier of the safety data sheet

Company name: Mile High Labs
 Address: 697 N. Denver Avenue, Suite 132
 Loveland, CO 80537
 USA
 Telephone: (970) 775-7463 ext. 0

1.4. Emergency telephone number:

(970) 776-9194 ext. 0

Further Information

This sheet was prepared on a voluntary basis.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008
 Not a hazardous substance or mixture

2.2. Label elements

Regulation (EC) No. 1272/2008
 Not a hazardous substance or mixture

2.3. Other hazards

None

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Components

Component	CAS No.	EC No.	Weight %
MCT Oil	65381-09-1, 73398-61-5	NA	80 - 90
Blood Orange Oil	8028-48-6	NA	5 - 8
Ethyl Butyrate	105-54-4	203-306-4	0 - 1
Hemp Oil Distillate			
Cannabidiol (CBD)	13956-29-1	NA	≤ 5
Total THC = (THC + THCA)	1972-08-3, 23978-85-0	NA	≤ 0.3
Cannabidiolic Acid (CBDA)	1244-58-2	NA	≤ 1
Cannabinol (CBN)	521-35-7	NA	≤ 1
Cannabidivarin (CBDV)	24274-48-4	NA	≤ 1
Cannabichromene (CBC)	20675-51-8	NA	≤ 1
Cannabigerol (CBG)	25654-31-3	NA	≤ 1

Full text of H and EUH statements: see Section 16.



MILE HIGH LABS

Safety Data Sheet

According to Regulation (EC) No 1907/2006

BLOOD ORANGE FLAVORING DISTILLATE TINCTURE OIL

Product code: FX-006 – Blood Orange

Page 2 of 8

Further Information

Product does not contain listed SVHC substances > 0,1 % according to Regulation (EC) No. 1907/2006 Article 59 (REACH)

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

After inhalation

In case of accident by inhalation: remove casualty to fresh air and keep at rest. In case of allergic symptoms, especially in the breathing area, seek medical advice immediately. Apply cortisone spray at early stage.

After contact with skin

Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap. If skin irritation or rash occurs: Get medical advice/attention.

After contact with eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
In case of eye irritation consult an ophthalmologist.

After ingestion

Do NOT induce vomiting. Rinse mouth thoroughly with water. Let water be drunken in little sips (dilution effect). When in doubt or if symptoms are observed, get medical advice.

4.2. Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see Section 2.2) and/or in Section 11.

4.3. Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: Fire-fighting measures

5.1. Extinguishing media Suitable

extinguishing media

Use alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media

Carbon oxides.

5.2. Special hazards arising from the substance or mixture

Wear self-contained breathing apparatus for firefighting if necessary.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid breathing vapors, mist or gas. For personal protection see Section 8.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Discharge into the environment must be avoided. Prevent spread over a wide area (e.g. by containment or oil barriers).

6.3. Methods and material for containment and cleaning up

keep in suitable, closed containers for disposal.

6.4. Reference to other sections

Safe handling: see Section 7

GB - EN



MILE HIGH LABS

Safety Data Sheet

According to Regulation (EC) No 1907/2006

BLOOD ORANGE FLAVORING DISTILLATE TINCTURE OIL

Product code: FX-006 – Blood Orange

Page 3 of 8

Personal protection equipment: see Section 8

Disposal: see Section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Provide appropriate exhaust ventilation at places where dust is formed.

Normal measures for preventative fire protection.

Wear suitable protective clothing (See section 8).

For precautions see Section 2.2.

Advice on protection against fire and explosion

See Section 5.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed in dry and well-ventilated place.

Containers which are opened must be carefully released and kept upright to prevent leakage.

Recommended storage temperature-controlled room temperature 68-77 °F (20-25 °C).

Hints on joint storage

Do not store together with: Gas. Explosives. Flammable solids. Pyrophoric liquids and solids. Self-heating substances and mixtures. Substances and mixtures which, in contact with water, emit flammable gases.

Oxidizing liquids. Oxidizing solids. ammonium nitrate. Self-reactive substances and mixtures. Organic peroxides. Non-combustible toxic substances. Radioactive substances. Infectious substances.

Further information on storage conditions

Protect against: Light. UV-radiation/sunlight. heat. Cold Humidity

7.3. Specific end use(s)

Apart from the uses mentioned in Section 1.2 no other specific uses are stipulated.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Contains no substances with occupational exposure limits.

8.2. Exposure controls

Appropriate engineering controls

General industrial hygiene practice.

Protective and hygiene measures

Always close containers tightly after the removal of product.

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves.

Gloves must be inspected prior to use.

Use proper glove removal technique (without touching gloves outer surface) to avoid skin contact with this product.

Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

Wash and dry hands.

Respiratory protection

Respiratory protection not required. For nuisance exposures use type OV/AG (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).



MILE HIGH LABS

Safety Data Sheet

According to Regulation (EC) No 1907/2006

BLOOD ORANGE FLAVORING DISTILLATE TINCTURE OIL

Product code: FX-006 – Blood Orange

Page 4 of 8

Environmental exposure controls

Do not let product enter drains.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Viscous liquid
Colour:	Clear or yellow to orange
Odour:	Orange
pH-Value:	No data available
Changes in the physical state	
Melting point:	No data available
Initial boiling point and boiling range:	No data available
Flash point:	< 23 °C
Sustaining combustion:	No data available
Explosive properties	
Lower explosion limits:	No data available
Upper explosion limits:	No data available
Ignition temperature:	No data available
Oxidizing properties	
None	



MILE HIGH LABS

Safety Data Sheet

According to Regulation (EC) No 1907/2006

BLOOD ORANGE FLAVORING DISTILLATE TINCTURE OIL

Product code: FX-006 – Blood Orange

Page 5 of 8

Vapour pressure: (at 20 °C)	Not determined
Density (at 20 °C):	Not determined
Water solubility:	Not miscible
Solubility in other solvents	not determined
Viscosity / dynamic:	Not determined
Viscosity / kinematic:	Not determined
Flow time:	Not determined
Vapour density:	Not determined
Evaporation rate:	Not determined
Solvent content:	Not determined

9.2. Other information

Solid content:	Not determined
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SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

No data available.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

Hazardous decomposition products formed under fire conditions – Nature of decomposition products not known. In the event of fire: see Section 5.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicokinetics, metabolism and distribution

No information available.

Acute toxicity

Inhalation: No data available

Dermal: No data available



MILE HIGH LABS

Safety Data Sheet

According to Regulation (EC) No 1907/2006

BLOOD ORANGE FLAVORING DISTILLATE TINCTURE OIL

Product code: FX-006 – Blood Orange

Page 6 of 8

Irritation and corrosivity

No data available

Sensitising effects

No data available

Carcinogenic/mutagenic/toxic effects for reproduction

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

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OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

STOT-single exposure

No data available

STOT-repeated exposure

No data available

Aspiration hazard

No data available

Specific effects in experiment on an animal

No information available

SECTION 12: Ecological information

12.1. Toxicity

No data available.

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

No information available.

Further information

Do not allow uncontrolled discharge of product into the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods**Disposal of the product**

Waste generators must determine whether a waste is hazardous and consult local, state, and national hazardous waste regulations to ensure complete accurate classification to ensure proper disposal.

SECTION 14: Transport information

DOT (US)

Not a hazardous material.



MILE HIGH LABS

Safety Data Sheet

According to Regulation (EC) No 1907/2006

BLOOD ORANGE FLAVORING DISTILLATE TINCTURE OIL

Product code: FX-006 – Blood Orange

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IMDG

Not a dangerous goods.

IATA

Not dangerous goods.

14.1. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.2. Special precautions for user

See Section 8.

14.3. Transport in bulk according to Annex II of Marpol and the IBC Code

not relevant.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

not determined

SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

Chronic Health Hazard.

SECTION 16: Other information

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LOAEC: Lowest observed adverse effect concentration

LC50: Lethal concentration, 50 percent

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NTP: National Toxicology Program

N/A: not applicable

OSHA: Occupational Safety and Health Administration

PNEC: predicted no effect concentration

PBT: Persistent bioaccumulative toxic

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

SARA: Superfund Amendments and Reauthorization Act

SVHC: substance of very high concern

TRGS Technische Regeln fuerGefahrstoffe

TSCA: Toxic Substances Control Act

VOC: Volatile Organic Compounds

VwVwS: Verwaltungsvorschrift wassergefaehrdender Stoffe

WGK: Wassergefaehrungsklasse

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Relevant H and EUH statements (number and full text)

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H228	Flammable solid.
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H304	May be fatal if swallowed and enters airways.
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H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H371	May cause damage to organs.
EUH208	Contains Clove oil from flower buds, citronellal, geraniol, citronellol. May produce an allergic reaction.

Further Information

Classification according EC regulation 1272/2008 (CLP): - Classification procedure:

Health hazards: Calculation method.

Environmental hazards: Calculation method.

Physical hazards: On basis of test data and / or calculated and / or estimated.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)

Document Approvals
Approved Date: 8/23/2019

Approval Task Verdict: Approve	Beth Grant, (b.grant@milehighlabs.com) Quality Approval 23-Aug-2019 18:44:59 GMT+0000
Approval Task Verdict: Approve	Kristen Hypes, (k.hypes@milehighlabs.com) Quality Approval 23-Aug-2019 18:46:00 GMT+0000

Approved



MILE HIGH LABS

Safety Data Sheet

According to Regulation (EC) No 1907/2006

MELON FLAVORING DISTILLATE TINCTURE OIL

Product code: FX-006 - Melon

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

MELON FLAVORING DISTILLATE TINCTURE OIL

1.2. Relevant identified uses of the substance or mixture and uses advised against

Uses advised against

Any non-intended use.

1.3. Details of the supplier of the safety data sheet

Company name: Mile High Labs
 Address: 697 N. Denver Avenue, Suite 132
 Loveland, CO 80537
 USA
 Telephone: (970) 775-7463 ext. 0

1.4. Emergency telephone number:

(970) 776-9194 ext. 0

Further Information

This sheet was prepared on a voluntary basis.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008
 Not a hazardous substance or mixture

2.2. Label elements

Regulation (EC) No. 1272/2008
 Not a hazardous substance or mixture

2.3. Other hazards

None

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Components

Component	CAS No.	EC No.	Weight %
MCT Oil	65381-09-1, 73398-61-5	NA	80 - 90
Melon Type Flavoring	NA	NA	5 - 8
Hemp Oil Distillate			
Cannabidiol (CBD)	13956-29-1	NA	≤ 5
Total THC = (THC + THCA)	1972-08-3, 23978-85-0	NA	≤ 0.3
Cannabidiolic Acid (CBDA)	1244-58-2	NA	≤ 1
Cannabinol (CBN)	521-35-7	NA	≤ 1
Cannabidivarin (CBDV)	24274-48-4	NA	≤ 1
Cannabichromene (CBC)	20675-51-8	NA	≤ 1
Cannabigerol (CBG)	25654-31-3	NA	≤ 1

Full text of H and EUH statements: see Section 16.



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Safety Data Sheet

According to Regulation (EC) No 1907/2006

MELON FLAVORING DISTILLATE TINCTURE OIL

Product code: FX-006 - Melon

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Further Information

Product does not contain listed SVHC substances > 0,1 % according to Regulation (EC) No. 1907/2006 Article 59 (REACH)

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

After inhalation

In case of accident by inhalation: remove casualty to fresh air and keep at rest. In case of allergic symptoms, especially in the breathing area, seek medical advice immediately. Apply cortisone spray at early stage.

After contact with skin

Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap. If skin irritation or rash occurs: Get medical advice/attention.

After contact with eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
In case of eye irritation consult an ophthalmologist.

After ingestion

Do NOT induce vomiting. Rinse mouth thoroughly with water. Let water be drunken in little sips (dilution effect). When in doubt or if symptoms are observed, get medical advice.

4.2. Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see Section 2.2) and/or in Section 11.

4.3. Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: Fire-fighting measures

5.1. Extinguishing media Suitable

extinguishing media

Use alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media

Carbon oxides.

5.2. Special hazards arising from the substance or mixture

Wear self-contained breathing apparatus for firefighting if necessary.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid breathing vapors, mist or gas. For personal protection see Section 8.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Discharge into the environment must be avoided. Prevent spread over a wide area (e.g. by containment or oil barriers).

6.3. Methods and material for containment and cleaning up

keep in suitable, closed containers for disposal.

6.4. Reference to other sections

Safe handling: see Section 7

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MILE HIGH LABS

Safety Data Sheet

According to Regulation (EC) No 1907/2006

MELON FLAVORING DISTILLATE TINCTURE OIL

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Personal protection equipment: see Section 8

Disposal: see Section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Provide appropriate exhaust ventilation at places where dust is formed.

Normal measures for preventative fire protection.

Wear suitable protective clothing (See section 8).

For precautions see Section 2.2.

Advice on protection against fire and explosion

See Section 5.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed in dry and well-ventilated place.

Containers which are opened must be carefully released and kept upright to prevent leakage.

Recommended storage temperature-controlled room temperature 68-77 °F (20-25 °C).

Hints on joint storage

Do not store together with: Gas. Explosives. Flammable solids. Pyrophoric liquids and solids. Self-heating substances and mixtures. Substances and mixtures which, in contact with water, emit flammable gases.

Oxidizing liquids. Oxidizing solids. ammonium nitrate. Self-reactive substances and mixtures. Organic peroxides. Non-combustible toxic substances. Radioactive substances. Infectious substances.

Further information on storage conditions

Protect against: Light. UV-radiation/sunlight. heat. Cold Humidity

7.3. Specific end use(s)

Apart from the uses mentioned in Section 1.2 no other specific uses are stipulated.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Contains no substances with occupational exposure limits.

8.2. Exposure controls

Appropriate engineering controls

General industrial hygiene practice.

Protective and hygiene measures

Always close containers tightly after the removal of product.

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves.

Gloves must be inspected prior to use.

Use proper glove removal technique (without touching gloves outer surface) to avoid skin contact with this product.

Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

Wash and dry hands.

Respiratory protection

Respiratory protection not required. For nuisance exposures use type OV/AG (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).



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Safety Data Sheet

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Product code: FX-006 - Melon

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Environmental exposure controls

Do not let product enter drains.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state:	Viscous liquid
Colour:	Clear or yellow to orange
Odour:	Melon
pH-Value:	No data available
Changes in the physical state	
Melting point:	No data available
Initial boiling point and boiling range:	No data available
Flash point:	> 23 °C (73.4 °F) and < 60 °C (140 °F)
Sustaining combustion:	No data available
Explosive properties	
Lower explosion limits:	No data available
Upper explosion limits:	No data available
Ignition temperature:	No data available
Oxidizing properties	
None	



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Vapour pressure: (at 20 °C)	Not determined
Density (at 20 °C):	Not determined
Water solubility:	Not miscible
Solubility in other solvents	not determined
Viscosity / dynamic:	Not determined
Viscosity / kinematic:	Not determined
Flow time:	Not determined
Vapour density:	Not determined
Evaporation rate:	Not determined
Solvent content:	Not determined

9.2. Other information

Solid content:	Not determined
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SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

No data available.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

Hazardous decomposition products formed under fire conditions – Nature of decomposition products not known. In the event of fire: see Section 5.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicokinetics, metabolism and distribution

No information available.

Acute toxicity

Inhalation: No data available

Dermal: No data available



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MELON FLAVORING DISTILLATE TINCTURE OIL

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Irritation and corrosivity

No data available

Sensitising effects

No data available

Carcinogenic/mutagenic/toxic effects for reproduction

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STOT-single exposure

No data available

STOT-repeated exposure

No data available

Aspiration hazard

No data available

Specific effects in experiment on an animal

No information available

SECTION 12: Ecological information**12.1. Toxicity**

No data available.

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

No information available.

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No information available.

Further information

Do not allow uncontrolled discharge of product into the environment.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal of the product**

Waste generators must determine whether a waste is hazardous and consult local, state, and national hazardous waste regulations to ensure complete accurate classification to ensure proper disposal.

SECTION 14: Transport information**DOT (US)**

Not a hazardous material.



MILE HIGH LABS

Safety Data Sheet

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MELON FLAVORING DISTILLATE TINCTURE OIL

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IMDG

Not a dangerous goods.

IATA

Not dangerous goods.

14.1. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.2. Special precautions for user

See Section 8.

14.3. Transport in bulk according to Annex II of Marpol and the IBC Code

not relevant.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

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SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

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SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

Chronic Health Hazard.

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Document Approvals
Approved Date: 8/23/2019

Approval Task Verdict: Approve	Beth Grant, (b.grant@milehighlabs.com) Quality Approval 23-Aug-2019 18:45:35 GMT+0000
Approval Task Verdict: Approve	Kristen Hypes, (k.hypes@milehighlabs.com) Quality Approval 23-Aug-2019 18:46:16 GMT+0000

Approved