

Batch #: T200003

Batch QR Code:



Destination URL:

<https://hoglabs.info/T200003.pdf>

Description:

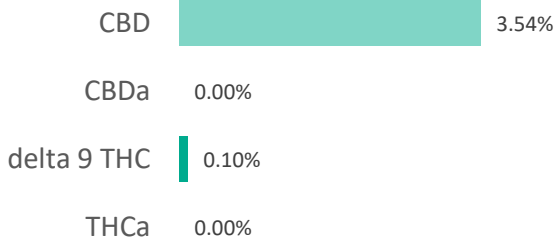
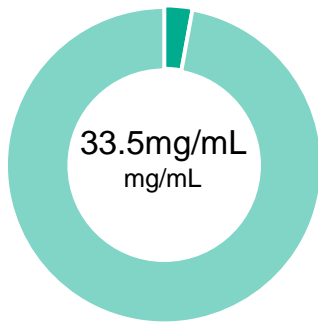
1000mg Broad Spectrum Hemp Distillate Tincture, Certificate of Analysis (CoA), Safety Data Sheet (SDS), Flavors (Natural, Peppermint)

Best By:

MAY 2022

NATURAL TINCTURE MHL #4

Batch ID:	T200003	Test ID:	6669325.0053
Reported:	27-Jul-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)	0.11	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.05	1.00	1.0
Cannabidiolic acid (CBDA)	0.13	ND	ND
Cannabidiol (CBD)	0.07	33.50	35.4
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.06	ND	ND
Cannabinolic Acid (CBNA)	0.15	ND	ND
Cannabinol (CBN)	0.07	ND	ND
Cannabigerolic acid (CBGA)	0.10	ND	ND
Cannabigerol (CBG)	0.05	0.50	0.5
Tetrahydrocannabivarinic Acid (THCVA)	0.09	ND	ND
Tetrahydrocannabivarin (THCV)	0.05	ND	ND
Cannabidivarinic Acid (CBDVA)	0.12	ND	ND
Cannabidivarin (CBDV)	0.06	ND	ND
Cannabichromenic Acid (CBCA)	0.08	ND	ND
Cannabichromene (CBC)	0.10	1.30	1.4
Total Cannabinoids		36.30	38.34
Total Potential THC**		1.00	1.05
Total Potential CBD**		33.50	35.42


NOTES:

Density = 0.94582g/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


 Daniel Weidensaul
 27-Jul-2020
 1:57 PM


 Greg Zimpfer
 27-Jul-2020
 2:01 PM

PREPARED BY / DATE

APPROVED BY / DATE

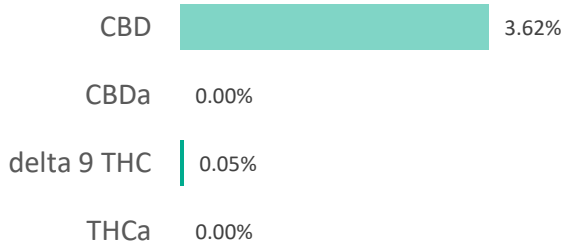
Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. 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

PEPPERMINT TINCTURE MHL #4

Batch ID:	T200003	Test ID:	6669325.0054
Reported:	27-Jul-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)	0.09	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.04	0.40	0.5
Cannabidiolic acid (CBDA)	0.10	ND	ND
Cannabidiol (CBD)	0.06	34.30	36.2
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.05	ND	ND
Cannabinolic Acid (CBNA)	0.12	ND	ND
Cannabinol (CBN)	0.05	0.10	0.1
Cannabigerolic acid (CBGA)	0.08	ND	ND
Cannabigerol (CBG)	0.04	0.30	0.3
Tetrahydrocannabivarinic Acid (THCVA)	0.08	ND	ND
Tetrahydrocannabivarin (THCV)	0.04	ND	ND
Cannabidivarinic Acid (CBDVA)	0.10	ND	ND
Cannabidivarin (CBDV)	0.05	ND	ND
Cannabichromenic Acid (CBCA)	0.07	ND	ND
Cannabichromene (CBC)	0.08	1.30	1.4
Total Cannabinoids		36.40	38.48
Total Potential THC**		0.40	0.47
Total Potential CBD**		34.30	36.25


NOTES:

Density = 0.945673g/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


 Daniel Weidensaul
 27-Jul-2020
 1:57 PM


 Greg Zimpfer
 27-Jul-2020
 2:01 PM

PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.02

NATURAL TINCTURE MHL #4

Batch ID:	T200003	Test ID:	T000087476
Reported:	27-Jul-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


Sarah Henning
27-Jul-2020
12:11 PM
Ben Minton
27-Jul-2020
12:29 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

PEPPERMINT TINCTURE MHL #4

Batch ID:	T200003	Test ID:	T000087480
Reported:	27-Jul-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


Sarah Henning
27-Jul-2020
12:11 PM
Ben Minton
27-Jul-2020
12:29 PM

PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.03

NATURAL TINCTURE MHL #4


Batch ID:	T200003	Test ID:	T000087477
Reported:	27-Jul-2020	Method:	TM19
Type:	Other		
Test:	Metals		

HEAVY METALS

Analyte	Dynamic Range (ppm)	Result (ppm)
Arsenic	0.072 - 7.24	ND
Cadmium	0.073 - 7.32	ND
Mercury	0.072 - 7.21	ND
Lead	0.072 - 7.23	ND


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

FINAL APPROVAL



Ryan Weems
27-Jul-2020
6:23 PM

PREPARED BY / DATE



Greg Zimpfer
27-Jul-2020
7:43 PM

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.

PEPPERMINT TINCTURE MHL #4


Batch ID:	T200003	Test ID:	T000087481
Reported:	27-Jul-2020	Method:	TM19
Type:	Other		
Test:	Metals		

HEAVY METALS

Analyte	Dynamic Range (ppm)	Result (ppm)
Arsenic	0.064 - 6.45	ND
Cadmium	0.065 - 6.53	ND
Mercury	0.064 - 6.43	ND
Lead	0.064 - 6.45	ND


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

FINAL APPROVAL



Ryan Weems
27-Jul-2020
6:23 PM

PREPARED BY / DATE



Greg Zimpfer
27-Jul-2020
7:43 PM

APPROVED BY / DATE

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Certificate of Analysis

Final Product: Tincture - Hemp Oil Distillate

Flavor: Natural

Strength: 1000mg



MILE HIGH LABS™

Date of Manufacture: May 2020

Manufacturing Lot: PB2005F157

Packaging Lots:

Test	Methodology	Specification	Test Results (Average)*	Pass/Fail	
Visual	Color and Appearance	TM-004 (Visual)	Clear or yellow to orange/red clear, flowing, liquid free of particulates	Conforms	Pass
Organoleptic	Aroma/Odor	TM-004 (Organoleptic)	Prominent labeled aroma	Conforms	Pass
Cannabinoid Identification	ID by Retention Time	TM-003 (DAD Retention Time)	Retention time of the primary peak in sample chromatogram matches that in the analytical reference standard.	Conforms	Pass
	ID by UV	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 (percent of label claim)(%)	TM-003 (HPLC-DAD)	90.0 - 110.0 %	102.4	Pass
	Assay(%w/w)	TM-003 (HPLC-DAD)	Report	3.531	NA
THC Content	THC(%w/w)	TM-003 (HPLC-DAD)	Report	0.120	NA
	THCA(%w/w)	TM-003 (HPLC-DAD)	Report	ND	NA
	Total THC(%w/w)	TM-003 (HPLC-DAD)	≤0.3 %w/w	0.120	Pass
Related Cannabinoid Content	CBN(%w/w)	TM-003 (HPLC-DAD)	Report	0.005	NA
	cis-THC(%w/w)	TM-003 (HPLC-DAD)	Report	0.044	NA
	delta 8-THC(%w/w)	TM-003 (HPLC-DAD)	Report	ND	NA
	THCV(%w/w)	TM-003 (HPLC-DAD)	Report	0.002	NA
	THCVA(%w/w)	TM-003 (HPLC-DAD)	Report	ND	NA
	CBC(%w/w)	TM-003 (HPLC-DAD)	Report	0.155	NA
	CBDA(%w/w)	TM-003 (HPLC-DAD)	Report	ND	NA
	CBDVA(%w/w)	TM-003 (HPLC-DAD)	Report	ND	NA
	CBDV(%w/w)	TM-003 (HPLC-DAD)	Report	0.007	NA
	CBE(%w/w)	TM-003 (HPLC-DAD)	Report	0.038	NA
	CBGA(%w/w)	TM-003 (HPLC-DAD)	Report	ND	NA
	CBG(%w/w)	TM-003 (HPLC-DAD)	Report	0.056	NA
	CBL(%w/w)	TM-003 (HPLC-DAD)	Report	0.004	NA
	CBT(%w/w)	TM-003 (HPLC-DAD)	Report	0.005	NA
	Total (RC)(%w/w)	TM-003 (HPLC-DAD)	Report	0.436	NA
Total Cannabinoids	(CBD plus total RCs)(%w/w)	TM-003 (HPLC-DAD)	Report	3.967	NA

*Number of replicates: 3

*Full list of individual pesticide residues on file, Eurofins LOQ of 0.1 ppm for individual residues.

*Contract Testing performed by Eurofins BioDiagnostics.

Data Reviewed and Approved by: **Josh Harrelson**
5/28/2020 11:29:12 AM

Certificate of Analysis

Final Product: Bulk CBD Distillate Tincture

Flavor: Mint

Strength: 1000mg / 30mL



MILE HIGH LABS™

Date of Manufacture: June 2020

Manufacturing Lot: BB2006B220

Packaging Lots: PB2006F174

Test	Methodology	Specification	Test Results (Average)*	Pass/Fail	
Visual	Color and Appearance	TM-004 (Visual)	Clear or yellow to orange/red clear, flowing, liquid free of particulates	Conforms	Pass
Organoleptic	Aroma/Odor	TM-004 (Organoleptic)	Prominent labeled aroma	Conforms	Pass
Cannabinoid Identification	ID by Retention Time	TM-003 (DAD Retention Time)	Retention time of the primary peak in sample chromatogram matches that in the analytical reference standard.	Conforms	Pass
	ID by UV	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 (percent of label claim)(%)	TM-003 (HPLC-DAD)	90.0 - 110.0 %	104.0	Pass
	Assay(%w/w)	TM-003 (HPLC-DAD)	Report	3.588	NA
THC Content	THC(%w/w)	TM-003 (HPLC-DAD)	Report	0.061	NA
	THCA(%w/w)	TM-003 (HPLC-DAD)	Report	ND	NA
	Total THC(%w/w)	TM-003 (HPLC-DAD)	≤0.3 %w/w	0.061	Pass
Related Cannabinoid Content	CBN(%w/w)	TM-003 (HPLC-DAD)	Report	0.015	NA
	cis-THC(%w/w)	TM-003 (HPLC-DAD)	Report	0.031	NA
	delta 8-THC(%w/w)	TM-003 (HPLC-DAD)	Report	ND	NA
	THCV(%w/w)	TM-003 (HPLC-DAD)	Report	0.003	NA
	THCVA(%w/w)	TM-003 (HPLC-DAD)	Report	ND	NA
	CBC(%w/w)	TM-003 (HPLC-DAD)	Report	0.150	NA
	CBDA(%w/w)	TM-003 (HPLC-DAD)	Report	ND	NA
	CBDVA(%w/w)	TM-003 (HPLC-DAD)	Report	ND	NA
	CBDV(%w/w)	TM-003 (HPLC-DAD)	Report	0.016	NA
	CBE(%w/w)	TM-003 (HPLC-DAD)	Report	0.072	NA
	CBGA(%w/w)	TM-003 (HPLC-DAD)	Report	ND	NA
	CBG(%w/w)	TM-003 (HPLC-DAD)	Report	0.032	NA
	CBL(%w/w)	TM-003 (HPLC-DAD)	Report	0.005	NA
	CBT(%w/w)	TM-003 (HPLC-DAD)	Report	0.040	NA
	Total (RC)(%w/w)	TM-003 (HPLC-DAD)	Report	0.425	NA
Total Cannabinoids	(CBD plus total RCs)(% w/w)	TM-003 (HPLC-DAD)	Report	4.013	NA

*Number of replicates: 3

¹Full list of individual pesticide residues on file. Results reported from CBD source Lot.

²Contract Testing performed by Eurofins BioDiagnostics. Results reported from CBD source Lot.

Data Reviewed and Approved by:



MILE HIGH LABS

Safety Data Sheet

According to Regulation (EC) No 1907/2006

NATURAL FLAVORING DISTILLATE TINCTURE OIL

Product code: FX-006

Page 1 of 8

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

1.1. Product identifier

NATURAL 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	90 - 100
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.

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

GB - EN



MILE HIGH LABS

Safety Data Sheet

According to Regulation (EC) No 1907/2006

NATURAL FLAVORING DISTILLATE TINCTURE OIL

Product code: FX-006

Page 2 of 8

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

Personal protection equipment: see Section 8

Disposal: see Section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

GB - EN



MILE HIGH LABS

Safety Data Sheet

According to Regulation (EC) No 1907/2006

NATURAL FLAVORING DISTILLATE TINCTURE OIL

Product code: FX-006

Page 3 of 8

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).

Environmental exposure controls

Do not let product enter drains.



MILE HIGH LABS

Safety Data Sheet

According to Regulation (EC) No 1907/2006

NATURAL FLAVORING DISTILLATE TINCTURE OIL

Product code: FX-006

Page 4 of 8

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:	No data available

pH-Value:	No data available
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Changes in the physical state

Melting point:	No data available
Initial boiling point and boiling range:	No data available
Flash point:	No data available

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

Approved



MILE HIGH LABS

Safety Data Sheet

According to Regulation (EC) No 1907/2006

NATURAL FLAVORING DISTILLATE TINCTURE OIL

Product code: FX-006

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

NATURAL FLAVORING DISTILLATE TINCTURE OIL

Product code: FX-006

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.

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

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.



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Safety Data Sheet

According to Regulation (EC) No 1907/2006

NATURAL FLAVORING DISTILLATE TINCTURE OIL

Product code: FX-006

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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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Abbreviations and acronyms

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DNEL: Derived No Effect Level

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GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)

LOAEL: Lowest observed adverse effect level

LOAEC: Lowest observed adverse effect concentration

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

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NTP: National Toxicology Program

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According to Regulation (EC) No 1907/2006

NATURAL FLAVORING DISTILLATE TINCTURE OIL

Product code: FX-006

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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 fuer Gefahrstoffe

TSCA: Toxic Substances Control Act

VOC: Volatile Organic Compounds

VwVwS: Verwaltungsvorschrift wassergefaehrdender Stoffe

WGK: Wassergefaehrdungsklasse

Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]

Classification	Classification procedure
Flam. Liq. 3; H226	On basis of test data

Relevant H and EUH statements (number and full text)

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H228	Flammable solid.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
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 18:46:21 GMT+0000
Approval Task Verdict: Approve	Kristen Hypes, (k.hypes@milehighlabs.com) Quality Approval 23-Aug-2019 18:46:39 GMT+0000

Approved



MILE HIGH LABS

Safety Data Sheet

According to Regulation (EC) No 1907/2006

PEPPERMINT FLAVORING DISTILLATE TINCTURE OIL

Product code: FX-006 – Peppermint

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

1.1. Product identifier

PEPPERMINT 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	90 - 100
Peppermint Oil	50-6225-07	NA	2 - 3
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

PEPPERMINT FLAVORING DISTILLATE TINCTURE OIL

Product code: FX-006 – Peppermint

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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

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MILE HIGH LABS

Safety Data Sheet

According to Regulation (EC) No 1907/2006

PEPPERMINT FLAVORING DISTILLATE TINCTURE OIL

Product code: FX-006 – Peppermint

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Safe handling: see Section 7

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



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Safety Data Sheet

According to Regulation (EC) No 1907/2006

PEPPERMINT FLAVORING DISTILLATE TINCTURE OIL

Product code: FX-006 – Peppermint

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approved under appropriate government standards such as NIOSH (US) or CEN (EU).

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:	Peppermint

pH-Value:	No data available
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Changes in the physical state

Melting point:	No data available
Initial boiling point and boiling range:	No data available
Flash point:	No data available

Sustaining combustion:	No data available
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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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PEPPERMINT FLAVORING DISTILLATE TINCTURE OIL

Product code: FX-006 – Peppermint

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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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PEPPERMINT FLAVORING DISTILLATE TINCTURE OIL

Product code: FX-006 – Peppermint

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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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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

PEPPERMINT FLAVORING DISTILLATE TINCTURE OIL

Product code: FX-006 – Peppermint

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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.

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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 18:44:32 GMT+0000
Approval Task Verdict: Approve	Kristen Hypes, (k.hypes@milehighlabs.com) Quality Approval 23-Aug-2019 18:45:40 GMT+0000

Approved