

Certificate of Analysis

Final Product: Distillate Softgel - 30mg
Date of Manufacture: December 2019

Lot Number: PB2003F135



MILE HIGH LABS

Test	Methodology	Specification	Test Results (Average)*	Pass/Fail	
Visual	Color and Appearance	TM-004 (Visual)	Oval, dark amber softgel capsule containing clear to lightly hazy, amber, free flowing liquid.	Conforms	Pass
Cannabinoid Identification	ID by RT	TM-010 (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-010 (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)(%w/w)	TM-010 (HPLC - DAD)	90.0 - 110.0 %w/w	98.4	Pass
THC Content	THC(%w/w)	TM-010 (HPLC - DAD)	Report	0.09	NA
	THCA(%w/w)	TM-010 (HPLC - DAD)	Report	ND	NA
	Total THC(%w/w)	TM-010 (HPLC - DAD)	≤0.3 %w/w	0.091	Pass
THCV Content	THCV(%w/w)	TM-010 (HPLC - DAD)	Report	ND	NA
Related Cannabinoid Content	CBDA(%w/w)	TM-010 (HPLC - DAD)	Report	ND	NA
	CBN(%w/w)	TM-010 (HPLC - DAD)	Report	ND	NA
	CBDV(%w/w)	TM-010 (HPLC - DAD)	Report	0.03	NA
	CBG(%w/w)	TM-010 (HPLC - DAD)	Report	ND	NA
	Other (Highest)(%w/w)	TM-010 (HPLC - DAD)	Report	0.05	NA
Total Cannabinoids (CBD plus total RCs)	Total(CBD plus RC)(%w/w)	TM-010 (HPLC - DAD)	Report	98.927	NA
Weight Variation	Average Fill Weight	USP<2091> ¹	Report	503.4	NA
	Minimum Weight (Percent of the Average)	USP<2091> ¹	>=90.0	98.9	Pass
	Maximum Weight (Percent of the Average)	USP<2091> ¹	≤110.0	102.0	Pass
Disintegration (By Rupture)	USP 2040	USP<2040> ¹	Within 15 minutes	Conforms	Pass
Pesticides	Individual Pesticide Content Test List ^{2,3}	LC-MS ⁴	Conforms ³	Conforms	Pass
Elemental Impurities	Arsenic (inorganic)(ppm) ²	LC-MS ⁴	<1.5 ppm	<LOQ	Pass
	Cadmium(ppm) ²	LC-MS ⁴	<0.5 ppm	<LOQ	Pass
	Lead(ppm) ²	LC-MS ⁴	<0.5 ppm	<LOQ	Pass
	Mercury (total)(ppm) ²	LC-MS ⁴	<0.2 ppm	<LOQ	Pass

*Number of replicates: 1

¹Contract Testing performed by Captek.

²Results are reported per testing performed on the bulk product.

³Full list of individual pesticide residues on file, Eurofins LOQ of 0.1 ppm for individual residues.

⁴Contract Testing performed by Eurofins BioDiagnostics.

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Beth Grant

Signer Name: Beth Grant
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Josh Harrelson

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MILE HIGH LABS

Safety Data Sheet

According to Regulation (EC) No 1907/2006

10mg AND 30mg DISTILLATE SOFTGELS

Product code: FX-024

Page 1 of 8

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

1.1. Product identifier

10mg AND 30mg DISTILLATE SOFTGELS

1.2. Relevant identified uses:

Dietary Supplement/Food Product

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

(970) 776-9194 ext. 0

telephone number:

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

3.1. Mixtures

Components

Component	CAS No.	EC No.	Weight %
MCT Oil	65381-09-1, 73398-61-5	NA	90 - 100
Lecithin	8002-43-5	NA	5
Soft Gel Capsule	Various	NA	<1
Hemp Oil Distillate			
Cannabidiol (CBD)	13956-29-1	NA	≤ 6
Total THC = (THC + THCA)	1972-08-3, 23978-85-0	NA	≤ 0.3
Tetrahydrocannabivarin (THCV)	31262-37-0	NA	≤ 1
Cannabidiolic Acid (CBDA)	1244-58-2	NA	≤ 1
Cannabinol (CBN)	521-35-7	NA	≤ 1
Cannabidivarin (CBDV)	24274-48-4	NA	≤ 1
Cannabigerol (CBG)	25654-31-3	NA	≤ 1

Further Information

GB-EN



MILE HIGH LABS

Safety Data Sheet

According to Regulation (EC) No 1907/2006

10mg AND 30mg DISTILLATE SOFTGELS

Product code: FX-024

Page 2 of 8

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 person to fresh air and keep at rest. In case of allergic symptoms, especially in the breathing area, seek medical advice immediately.

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.

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.

Specific hazards arising from the chemical

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



MILE HIGH LABS

Safety Data Sheet

According to Regulation (EC) No 1907/2006

10mg AND 30mg DISTILLATE SOFTGELS

Product code: FX-024

Page 3 of 8

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

Provide appropriate exhaust ventilation at places where vapors are 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 sealed and kept upright to prevent a spill.
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

If necessary, use type OV/AG (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. Use respirators and approved under appropriate government standards such as OSHA 29 CFR 1910.134 or European Standard EN 149.

GB EN



MILE HIGH LABS

Safety Data Sheet

According to Regulation (EC) No 1907/2006

10mg AND 30mg DISTILLATE SOFTGELS

Product code: FX-024

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: Free flowing liquid in oval, dark amber softgel capsule
 Colour: Clear to lightly hazy, amber

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: 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



MILE HIGH LABS

Safety Data Sheet

According to Regulation (EC) No 1907/2006

10mg AND 30mg DISTILLATE SOFTGELS

Product code: FX-024

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

10mg AND 30mg DISTILLATE SOFTGELS

Product code: FX-024

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.



MILE HIGH LABS

Safety Data Sheet

According to Regulation (EC) No 1907/2006

10mg AND 30mg DISTILLATE SOFTGELS

Product code: FX-024

Page 7 of 8

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

DISCLAIMER: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of information for their particular purposes. In no event shall Mile High Labs, Inc. be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, whatsoever arising, even if Mile High Labs, Inc. has been advised of the possibility of such damages.

Abbreviations and acronyms

CAS Chemical Abstracts Service

IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO) GHS:

Globally Harmonized System of Classification and Labelling of Chemicals

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



MILE HIGH LABS

Safety Data Sheet

According to Regulation (EC) No 1907/2006

10mg AND 30mg DISTILLATE SOFTGELS

Product code: FX-024

Page 8 of 8

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.

Approved

Document Approvals
Approved Date: 9/25/2019

Approval Task Verdict: Approve	Steve Perich, (s.perich@milchighlabs.com) Environmental Health & Safety Approval 23-Sep-2019 21:55:50 GMT+0000
Approval Task Verdict: Approve	Kristen Hypes, (k.hypes@milchighlabs.com) Quality Approval 24-Sep-2019 14:40:38 GMT+0000
Approval Task Verdict: Approve	Scott Miller, (s.miller@milchighlabs.com) Management Approval 25-Sep-2019 13:53:29 GMT+0000

APPROVE