

# Certificate of Analysis

Final Product: 20% CBD Isolate Water Soluble  
Date of Manufacture: November 2020

Lot Number: BB2011B-322



Test	Methodology		Specification	Test Results (Average)*	Pass/Fail
Visual	Color and Appearance	TM-004 (Visual)	Opaque, Off-white to tan, flowing solution	Conforms	Pass
Cannabidiol Identification		TM-008 (DAD Retention Time)	Retention time of the primary peak in sample chromatogram matches that in the analytical reference standard.	Conforms	Pass
		TM-008 (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-008 (HPLC - DAD)	90.0 - 110.0 %	99.7	Pass
	Assay (w/w)(%)	TM-008 (HPLC - DAD)	18.0 - 22.0 %	19.9	Pass
THC Content	THC(%w/w)	TM-008 (HPLC - DAD)	Report	ND	NA
	THCA(%w/w)	TM-008 (HPLC - DAD)	Report	ND	NA
	Total THC(%w/w)	TM-008 (HPLC - DAD)	≤0.050 %w/w	ND	Pass
Related Cannabinoid Content	CBN(%w/w)	TM-008 (HPLC - DAD)	Report	ND	NA
	cis-THC(%w/w)	TM-008 (HPLC - DAD)	Report	ND	NA
	delta 8-THC(%w/w)	TM-008 (HPLC - DAD)	Report	ND	NA
	THCV(%w/w)	TM-008 (HPLC - DAD)	Report	ND	NA
	THCVA(%w/w)	TM-008 (HPLC - DAD)	Report	ND	NA
	CBC(%w/w)	TM-008 (HPLC - DAD)	Report	<LOQ	NA
	CBDA(%w/w)	TM-008 (HPLC - DAD)	Report	ND	NA
	CBDVA(%w/w)	TM-008 (HPLC - DAD)	Report	ND	NA
	CBDV(%w/w)	TM-008 (HPLC - DAD)	Report	0.054	NA
	CBE(%w/w)	TM-008 (HPLC - DAD)	Report	0.052	NA
	CBGA(%w/w)	TM-008 (HPLC - DAD)	Report	ND	NA
	CBG(%w/w)	TM-008 (HPLC - DAD)	Report	ND	NA
	CBL(%w/w)	TM-008 (HPLC - DAD)	Report	ND	NA
	CBT(%w/w)	TM-008 (HPLC - DAD)	Report	ND	NA
	Total (RC)(%w/w)	TM-008 (HPLC - DAD)	Report	0.126	NA
Total Cannabinoids	(CBD plus total RCs)(% w/w)	TM-008 (HPLC - DAD)	Report	20.069	NA
Preservative Content	Sodium Benzoate (w/w)(%)	TM-007 (HPLC - DAD)	Report	0.1	NA
	Sodium Benzoate (percent of Target)(%)	TM-007 (HPLC - DAD)	70.0 - 130.0 %	100.0	Pass

\*Number of replicates: 3

Data Reviewed and Approved by: Tim Ghelli  
11/10/2020 3:18:08 PM

Specification: FX018  
Lot: BB2011B-322

2555 W. Midway Blvd Broomfield, CO 80020

Page 1/1

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## Safety Data Sheet

According to Regulation (EC) No 1907/2006

### 20% CANNABIDIOL ISOLATE WATER SOLUBLE

Product code: FX-018

Page 1 of 8

## SECTION 1: Identification

### 1.1 Product identifier

Product name 20% Cannabidiol Isolate Water Soluble

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

Recommended use: Food Product

Restrictions on uses: Not Available

### 1.3 Supplier's details

Name Mile High Labs  
Address 697 N. Denver Avenue, Suite 132  
Loveland, CO 80537  
USA

2555 W. Midway Blvd  
Broomfield, CO 80020

Telephone (970) 775-7463

1.3 Emergency phone number(s) (970) 776-9194

## SECTION 2: Hazard identification

### 2.1 Classification of the substance or mixture

GHS Classification: Serious Eye Damage/Eye Irritation Category 2A  
Specific Target Organ Systemic Toxicity (STOT) - Single Exposure Category 3

### 2.2 GHS label elements, including precautionary statements

Pictogram:



Signal Word: Warning

Hazard statement(s) H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.

Precautionary Statement(s)  
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.  
P264 Wash hands thoroughly after handling.

**Safety Data Sheet**

According to Regulation (EC) No 1907/2006

**20% CANNABIDIOL ISOLATE WATER SOLUBLE**

Product code: FX-018

Page 2 of 8

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P304+P340 If inhaled: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312 Call a POISON CENTER or doctor/physician if you feel unwell.

P337+P313 If eye irritation persists: Get medical advice/attention.

**2.3 Hazards not otherwise classified (HNOC) or not covered by GHS – no data available.****SECTION 3: Composition/information on ingredients****3.1 Substances**

Substance name 20% Cannabidiol Isolate Water Soluble - CAS# 13956-29-1

**Components  
Mixture**

Component	CAS No.	Weight %
Water (purified)	7732-18-5	40-50
CBD Isolate	13956-29-1	20
MCT Oil	65381-09-1, 73398-61-5	20-30
Quillaja Saponaria, extracts	68990-67-0	10-15
Modified Soy Lecithin	8002-43-5	0-1
Citric Acid	77-92-9	0-1
Sodium Benzoate	532-32-1	0-1

**SECTION 4: First-aid measures****4.1 Description of necessary first-aid measures**

General advice	Move out of dangerous area.
If inhaled	If breathed in, move person into fresh air. If not breathing, give artificial respiration.
In case of skin contact	Wash off with soap and plenty of water.
In case of eye contact	Immediately irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 10 minutes.
If swallowed	Never give anything by mouth to an unconscious person. Rinse mouth with water.

**4.2 Most important symptoms/effects, acute and delayed**

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## Safety Data Sheet

According to Regulation (EC) No 1907/2006

### 20% CANNABIDIOL ISOLATE WATER SOLUBLE

Product code: FX-018

Page 3 of 8

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 immediate medical attention and special treatment needed, if necessary

No data available

## SECTION 5: Fire-fighting measures

#### 5.1 Suitable extinguishing media

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

#### 5.2 Specific hazards arising from the chemical

Carbon Dioxides.

#### 5.3 Special protective actions for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.

#### Further information

No Data Available.

## SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust formation and avoid breathing vapors, mist or gas. For personal protection see section 8.

#### 6.2 Environmental precautions

Do not let product enter drains.

#### 6.3 Methods and materials for containment and cleaning up

Keep in suitable, closed containers for disposal.

## SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventative fire protection. For precautions see Section 2.2.

#### 7.2 Conditions for safe storage, including any incompatibilities

Store in a well-ventilated place. Keep container tightly closed.

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

#### 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

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## Safety Data Sheet

According to Regulation (EC) No 1907/2006

### 20% CANNABIDIOL ISOLATE WATER SOLUBLE

Product code: FX-018

Page 4 of 8

#### 8.1 Control parameters

Contains no substances with occupational exposure limit values.

#### 8.2 Appropriate engineering controls

General industrial hygiene practice.

#### 8.3 Individual protection measures, such as personal protective equipment (PPE)

##### 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 glove's 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.

##### Full/Splash Contact:

Materials: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

##### Body protection

Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

##### 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.

## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

Appearance/form	Opaque, Off-white to tan, flowing solution
Odor	No data available.
Odor threshold	No data available.
pH	2.5 – 3.5
Melting point/freezing point	No data available.
Initial boiling point and boiling range	No data available.
Flash point	No data available.
Evaporation rate	No data available.
Flammability (solid, gas)	No data available.

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## Safety Data Sheet

According to Regulation (EC) No 1907/2006

### 20% CANNABIDIOL ISOLATE WATER SOLUBLE

Product code: FX-018

Page 5 of 8

Upper/lower flammability or explosive limits	No data available.
Vapor pressure	No data available.
Vapor density	No data available.
Relative density	No data available.
Solubility	0.95 – 1.05 g/mL
Partition coefficient: n-octanol/water	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Viscosity	No data available.
Explosive properties	No data available.
Oxidizing properties	No data available.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No data available.

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

No data available.

### 10.4 Conditions to avoid

Light.

### 10.5 Incompatible materials

Strong oxidizing agents

### 10.6 Hazardous decomposition products

Hazardous decomposition products formed under fire conditions - Carbon Oxides.

Other decomposition products - No data available

In the event of fire: see Section 5

## SECTION 11: Toxicological information

### Information on toxicological effects

#### Acute toxicity

Inhalation: no data available

Dermal: no data available

LD50 Intravenous: no data available

#### Skin corrosion/irritation





## Safety Data Sheet

According to Regulation (EC) No 1907/2006

### 20% CANNABIDIOL ISOLATE WATER SOLUBLE

Product code: FX-018

Page 6 of 8

No data available.

#### Serious eye damage/irritation

No data available.

#### Respiratory or skin sensitization

No data available.

#### Germ cell mutagenicity

No data available.

#### Carcinogenicity

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.

#### Reproductive toxicity

No data available.

#### STOT-single exposure

No data available.

#### STOT-repeated exposure

No data available.

#### Aspiration hazard

No data available.

#### Additional information

RTECS: VH1600000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Stomach - Irregularities - Based on Human Evidence

Stomach - Irregularities - Based on Human Evidence

## SECTION 12: Ecological information

#### Persistence and degradability

No data available.

#### Bio accumulative potential

No data available.

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## Safety Data Sheet

According to Regulation (EC) No 1907/2006

### 20% CANNABIDIOL ISOLATE WATER SOLUBLE

Product code: FX-018

Page 7 of 8

#### Mobility in soil

No data available.

#### Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

#### Other adverse effects

No data available.

## SECTION 13: Disposal considerations

#### Disposal of the product

Dispose of this product in accordance with local/regional/national/international regulations.

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste.

Chemical waste generators must also consult local, state, and national hazardous waste regulations to ensure complete accurate classification.

## SECTION 14: Transport information

#### DOT (US)

Not dangerous goods

#### IMDG

Not dangerous goods

#### IATA

Not dangerous goods

## SECTION 15: Regulatory information

#### 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

#### Massachusetts Right to Know

Components Sigma - C7515 Page 6 of 6 No components are subject to the Massachusetts Right to Know Act.

#### Pennsylvania Right to Know

Cannabidiol (CAS-No. 13956-29-1)





## Safety Data Sheet

According to Regulation (EC) No 1907/2006

### 20% CANNABIDIOL ISOLATE WATER SOLUBLE

Product code: FX-018

Page 8 of 8

#### New Jersey Right to Know

Cannabidiol (CAS-No. 13956-29-1)

#### HMIS Rating

Health	1
Flammability	0
Physical hazard	0
Personal protection	

#### NFPA Rating

Health hazard	1
Fire hazard	0
Reactivity hazard	0
Special hazard	

### SECTION 16: Further information/disclaimer

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.

Document Approvals  
Approved Date: 10/23/2019

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