

# I028\_200206

Sample ID: I028\_200206

Matrix: Concentrate

Type: Cannabinoid Isolate

Received: 5/11/2020

Completed: 5/14/2020



Total THC	ND
Total CBD	99.3680%
Total Cannabinoids	99.8990%

## Summary

Batch	Pass
Cannabinoids	Complete
Pesticides	Pass
Residual Solvents	Pass
Heavy Metals	Pass
Mycotoxins	Pass
Microbials	Pass

## Cannabinoids

Complete

Analyte	LOQ (%)	Mass (%)	Mass (mg/g)
<b>CBDV</b>	<b>0.00025</b>	<b>0.531</b>	<b>5.31</b>
CBG	0.00025	ND	ND
<b>CBD</b>	<b>0.00025</b>	<b>99.368</b>	<b>993.68</b>
CBDA	0.00025	ND	ND
CBN	0.00025	ND	ND
Delta 9-THC	0.00025	ND	ND
Delta 8-THC	0.00025	ND	ND
CBC	0.00025	ND	ND
THCA	0.00025	ND	ND
Total THC		ND	ND
<b>Total CBD</b>		<b>99.368</b>	<b>993.68</b>
<b>Total Cannabinoids</b>		<b>99.899</b>	<b>998.99</b>

Date Tested: 5/12/2020

Total THC = THCa \* 0.877 + d9-THC

Total CBD = CBDa \* 0.877 + CBD

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## Pesticides

Pass

Analyte	LOQ (µg/g)	Limit (µg/g)	Mass (µg/g)	Status
Abamectin	0.05	0.10	ND	Pass
Bifenazate	0.05	0.10	ND	Pass
Bifenthrin	0.05	3.00	ND	Pass
Boscalid	0.05	0.10	ND	Pass
Ethoprophos	0.05	0	ND	Pass
Etoxazole	0.05	0.1	ND	Pass
Imidacloprid	0.05	5	ND	Pass
Myclobutanil	0.05	0.1	ND	Pass
Piperonyl Butoxide	0.05	3	ND	Pass
Pyrethrins	0.05	0.5	ND	Pass
Spinosad	0.05	0.1	ND	Pass
Spiromesifen	0.05	0.1	ND	Pass
Spirotetramat	0.05	0.1	ND	Pass

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## Residual Solvents

Pass

Analyte	LOQ (µg/g)	Limit (µg/g)	Mass (µg/g)	Status
Acetone	10	5000	ND	Pass
Acetonitrile	10	410	ND	Pass
Benzene	1	1	ND	Pass
Butane	10	5000	ND	Pass
Chloroform	1	1	ND	Pass
1,2-Dichloroethane	1	1	ND	Pass
Ethanol	10	5000	ND	Pass
Ethyl Acetate	10	5000	ND	Pass
Ethyl Ether	10	5000	ND	Pass
Ethylene Oxide	1	1	ND	Pass
Heptane	10	5000	ND	Pass
n-Hexane	10	290	ND	Pass
Isopropanol	10	5000	ND	Pass
Methanol	10	3000	ND	Pass
Methylene Chloride	1	1	ND	Pass
Pentane	10	5000	ND	Pass
Propane	10	5000	ND	Pass
Toluene	10	890	ND	Pass
Trichloroethylene	1	1	ND	Pass
Xylenes	10	2170	ND	Pass

Date Tested: 5/12/2020

## Mycotoxins

Pass

Analyte	LOQ (µg/g)	Limit (µg/g)	Mass (µg/g)	Status
Aflatoxin B1	0.02	0.02	ND	Pass
Aflatoxin B2	0.02	0.02	ND	Pass
Aflatoxin G1	0.02	0.02	ND	Pass
Aflatoxin G2	0.02	0.02	ND	Pass
Ochratoxin A	0.02	0.02	ND	Pass

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## Heavy Metals

Pass

Analyte	LOQ (µg/g)	Limit (µg/g)	Mass (µg/g)	Status
Arsenic	0.05	0.2	ND	Pass
Cadmium	0.05	0.2	ND	Pass
Lead	0.125	0.5	ND	Pass
Mercury	0.025	0.1	ND	Pass

Date Tested: 5/12/2020

## Microbials

Pass

Test	Result (CFU/g)	Pass / Fail
Aerobic Plate Count	Absent / 1g	Pass
Escherichia Coli and Coliforms	Absent / 1g	Pass
Salmonella	Absent / 1g	Pass
Yeast and Mold Count	Absent / 1g	Pass

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## Method References:

## Testing Location

### Cannabinoid Profile (UNODC)

FESA Labs - Santa Ana, CA

Official Methods of Analysis, Method 2018.11.AOAC INTERNATIONAL, (Modified), Lukas Vaclavik, Frantisek Benes, Alex Krmela, Veronika Svobodova, Jana Hajsolva, and Katerina Mastovska, "Quantification of Cannabinoids in Cannabis Dried Plant Materials, Concentrates, and Oils Liquid Chromatography-Diode Array Detection Technique with Optional Mass Spectrometric Detection," First Action Method, Journal of AOAC International, Future Issue

United Nations Office on Drugs and Crime - Recommended methods for identification and analysis of cannabis and cannabis products

### Multi-Residue Analysis - (AOAC\_200701)

FESA Labs - Santa Ana, CA

*Official Methods of Analysis, AOAC Official Method 2007.01*, Pesticide Residues in Foods by Acetonitrile Extraction and Partitioning with Magnesium Sulfate, AOAC INTERNATIONAL (modified).

*CEN Standard Method EN 15662*: Food of plant origin - Determination of pesticide residues using GC-MS and/or LC-MS/MS following acetonitrile extraction/ partitioning and clean-up by dispersive SPE - QuEChERS method.

List of the tested pesticides and their limits of quantification (LOQs) are available upon request.

### Metals Analysis - 4 elements (EPA\_200.8)

FESALabs - Santa Ana, CA

Methods for the Determination of Metals in Environmental Standards - Supplement 1, EPA-600/R-94-111, May 1994.

"Determination of Metals and Trace Elements in Water and Wastes by Inductively Coupled Plasma-Mass Spectrometry", USEPA Method 200.8, Revision 5.1, EMMC Version.

### Residual Solvents Analysis - 20 compounds (USP\_467)

FESA Labs - Santa Ana, CA

USP current revision, Chapter 62.

United States Pharmacopeia, 38nd Rev. - National Formulary 33th Ed., Method <467>, USP Convention, Inc., Rockville, MD (2015). (Modified).

### Mycotoxins Analysis - 5 compounds (FDA\_MYC)

FESA Labs - Santa Ana, CA

Determination of Mycotoxins in Corn, Peanut Butter and Wheat Flour Using Stable Isotope Dilution Assay (SIDA) and Liquid Chromatography-Tandem Mass Spectrometry (LC-MS/MS), (Modified)

### Aerobic Plate Count (USP\_61)

FESALabs - Santa Ana, CA

USP current revision, Chapter 61.

To satisfy the requirements of the USP, the suitability of Test Method must be completed on each matrix.

\*\*Based on the suitability of the test method results, conditions stipulated are adequate for detecting the presence of the specified microorganism.

### E. Coli (USPE\_62)

FESALabs - Santa Ana, CA

USP current revision, Chapter 62.

To satisfy the requirements of the USP, the suitability of Test Method must be completed on each matrix.

\*\*Based on the suitability of the test method results, conditions stipulated are adequate for detecting the presence of the specified microorganism.

### Yeast and Mold Count (AOAC\_201405)

FESALabs - Santa Ana, CA

Official Methods of Analysis, Method 2014.05.AOAC INTERNATIONAL

### Salmonella enterica USP (USPS\_62)

FESALabs - Santa Ana, CA

USP current revision, Chapter 62.

To satisfy the requirements of the USP, the suitability of Test Method must be completed on each matrix.

\*\*Based on the suitability of the test method results, conditions stipulated are adequate for detecting the presence of the specified microorganism.

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### Testing Location:

**FESALabs**  
2002 S. Grand Ave., Suite B  
Santa Ana, CA 92705  
714-549-5050

**Marie True - Lab Manager**

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ND = not detected or less than limit of quantitation (LOQ). LOQ for cannabinoid profile analysis is 0.00025%.

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