

# Certificate of Analysis



MILE HIGH LABS™

Final Product: Cannabidiol Isolate  
Date of Manufacture: 10/2019

Lot Number: IL1909R-046C

Test	Methodology	Specification	Test Results (Average) <sup>1</sup>	Pass/Fail	
Color and Appearance	TM-004 (Visual)	White, crystalline powder free of particulates	Conforms	Pass	
CBD Identification	TM-001 (DAD Retention Time)	Retention time of the primary peak in sample chromatogram matches that in the analytical reference standard.	Conforms	Pass	
	TM-001 (DAD UV Spectrum)	UV Spectrum of the primary peak in sample chromatogram matches that in the analytical reference standard.	Conforms	Pass	
CBD Potency (% w/w)	TM-001 (HPLC-DAD)	≥ 98%	98	Pass	
THC Content (% w/w)	THC	TM-001 (HPLC-DAD)	≤ LOQ <sup>2</sup>	ND	Pass
	THCA	TM-001 (HPLC-DAD)	≤ LOQ <sup>2</sup>	ND	Pass
Related Cannabinoid Content (%w/w)	CBDA	TM-001 (HPLC-DAD)	Report	ND	NA
	CBN	TM-001 (HPLC-DAD)	Report	ND	NA
	CBDV	TM-001 (HPLC-DAD)	Report	0.15	NA
	CBG	TM-001 (HPLC-DAD)	Report	ND	NA
	Other (Highest)	TM-001 (HPLC-DAD)	Report	0.24	NA
	Total	TM-001 (HPLC-DAD)	Report	0.39	NA
Total Cannabinoids (CBD plus total RCs, % w/w)	TM-001 (HPLC-DAD)	Report	98.10	NA	
Residual Solvents (ppm)	Pentane	TM-005 (HS-GC-FID)	≤ 500 ppm	115	Pass
	Acetone	TM-005 (HS-GC-FID)	≤ 500 ppm	< LOQ	Pass
	Isopropyl Alcohol	TM-005 (HS-GC-FID)	≤ 500 ppm	< LOQ	Pass
	Hexane	TM-005 (HS-GC-FID)	≤ 25 ppm	ND	Pass
Pesticides (Highest, ppm)	Individual Pesticide Content Test List <sup>3</sup>	LC-MS <sup>4</sup>	≤ LOQ <sup>3</sup>	< LOQ	Pass
Elemental Impurities (ppm)	Arsenic	ICP-MS <sup>4</sup>	< 1.0 ppm	< LOQ	Pass
	Cadmium	ICP-MS <sup>4</sup>	< 0.4 ppm	< LOQ	Pass
	Lead	ICP-MS <sup>4</sup>	< 0.5 ppm	0.005	Pass
	Mercury (Total)	ICP-MS <sup>4</sup>	< 0.2 ppm	< LOQ	Pass

<sup>1</sup>Number of replicates: 4

<sup>2</sup>TM-001 LOQ of 0.05% w/w for related cannabinoids.

<sup>3</sup>Full list of individual pesticide residues on file, Eurofins LOQ of 0.05 ppm for individual residues.

<sup>4</sup>Contract Testing performed by Eurofins BioDiagnostics.

## Prepared by

DocuSigned by:

*Chris Cogell*

Signer Name: Chris Cogell  
Signing Reason: I am the author of this document  
Signing Time: 10/28/2019 | 1:28:47 PM MDT

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## Quality Approval

DocuSigned by:

*Beth Grant*

Signer Name: Beth Grant  
Signing Reason: I approve this document  
Signing Time: 10/28/2019 | 12:55:37 PM PDT

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