

# Certificate of Analysis



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

Lot Number: IL19091-047B

MILE HIGH LABS

Test	Methodology	Specification	Test Results (Average)*	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%	98.2	Pass	
THC Content (% w/w)	THC	TM-001 (HPLC-DAD)	≤ LOQ†	ND	Pass
	THCA	TM-001 (HPLC-DAD)	≤ LOQ†	ND	Pass
Related Cannabinoid Content (%w/w)	CBDA	TM-001 (HPLC-DAD)	Report	ND	N/A
	CBN	TM-001 (HPLC-DAD)	Report	ND	N/A
	CBDV	TM-001 (HPLC-DAD)	Report	0.25	N/A
	CBG	TM-001 (HPLC-DAD)	Report	< LOQ	N/A
	Other (Highest)	TM-001 (HPLC-DAD)	Report	0.25	N/A
	Total	TM-001 (HPLC-DAD)	Report	0.50	N/A
	Total Cannabinoids (CBD plus total RCs, % w/w)	TM-001 (HPLC-DAD)	Report	98.67	N/A
Residual Solvents (ppm)	Pentane	TM-005 (HS-GC-FID)	≤ 500 ppm	122	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

\* Number of replicates: 15

† TM-001 LOQ of 0.05% w/w for related cannabinoids.

## Prepared by

DocuSigned by:

*David Dummer*

Signer Name: David Dummer  
Signing Reason: I am the author of this document  
Signing Time: 10/28/2019 | 1:36:01 PM PDT

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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 | 2:03:35 PM PDT

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