

# Certificate of Analysis



**Final Product:** Tincture - Cannabidiol Isolate  
**Flavor:** Blood Orange **Strength:** 500 mg  
**Date of Manufacture:** 06/19

**Lot Number:** PL1906F-036

MILE HIGH LABS™

Test	Methodology	Specification	Test Results (Average)*	Pass/Fail
Color and Appearance - Product	TM-004 (Visual)	Clear or yellow to orange/red clear, flowing, liquid free of particulates	Conforms	Pass
Aroma/Odor	TM-004 (Organoleptic)	Prominent labeled aroma	Conforms	Pass
Flavor	TM-004 (Organoleptic)	Prominent labeled taste	Conforms	Pass
CBD Identification	TM-003 (DAD Retention Time)	Retention time of the primary peak in sample chromatogram matches that in the analytical reference standard.	Conforms	Pass
	TM-003 (DAD UV Spectrum)	UV Spectrum of the primary peak in sample chromatogram matches that in the analytical reference standard.	Conforms	Pass
CBD Content Assay (% of label claim)	TM-003 (HPLC-DAD)	90.0 – 110.0%	99.2	Pass
THC Content (% w/w)	THC	TM-003 (HPLC-DAD)	Report	N/A
	THCA	TM-003 (HPLC-DAD)	Report	N/A
	Total THC	TM-003 (HPLC-DAD)	≤ 0.05%	Pass
Related Cannabinoid Content (% w/w)	CBDA	TM-003 (HPLC-DAD)	Report	N/A
	CBN	TM-003 (HPLC-DAD)	Report	< LOQ
	CBDV	TM-003 (HPLC-DAD)	Report	0.003
	CBG	TM-003 (HPLC-DAD)	Report	ND
	Other (Highest)	TM-003 (HPLC-DAD)	Report	0.008
	Total	TM-003 (HPLC-DAD)	Report	0.023
Total Cannabinoids (CBD plus total RCs, % w/w)	TM-003 (HPLC-DAD)	Report	1.734	N/A
Pesticides (Highest, ppm)	Individual Pesticide Content Test List†	LC-MS‡	Conforms†	< LOQ
Elemental Impurities (ppm)	Arsenic	ICP-MS‡	< 1.5 ppm	0.016
	Cadmium	ICP-MS‡	< 0.5 ppm	ND
	Lead	ICP-MS‡	< 0.5 ppm	0.006
	Mercury	ICP-MS‡	< 1.5 ppm	0.003

\* Number of replicates: 3

† Full list of individual pesticide residues on file, Micro Quality Labs, Inc. LOQ of 0.05 ppm - 4 ppm for individual residues.

‡ Contract Testing performed by Micro Quality Labs, Inc.

## Prepared by

DocuSigned by:

*Chris Cogell*



Signer Name: Chris Cogell  
 Signing Reason: I am the author of this document  
 Signing Time: 9/25/2019 | 5:00:52 PM MDT

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## Quality Approval

DocuSigned by:

*Beth Grant*



Signer Name: Beth Grant  
 Signing Reason: I approve this document  
 Signing Time: 9/25/2019 | 4:06:37 PM PDT

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