

Certificate of Analysis

Final Product: Cannabidiol Isolate

Lot Number: IL1908F-041A

Date of Manufacture: 08/2019

Test	Methodology	Specification	Test Results (Average) ¹	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%	99.8	Pass
THC Content (% w/w)	THC	TM-001 (HPLC-DAD)	≤ LOQ ²	Pass
	THCA	TM-001 (HPLC-DAD)	≤ LOQ ²	Pass
Related Cannabinoid Content (%w/w)	CBDA	TM-001 (HPLC-DAD)	Report	NA
	CBN	TM-001 (HPLC-DAD)	Report	NA
	CBDV	TM-001 (HPLC-DAD)	Report	0.20
	CBG	TM-001 (HPLC-DAD)	Report	ND
	Other (Highest)	TM-001 (HPLC-DAD)	Report	0.25
	Total	TM-001 (HPLC-DAD)	Report	0.61
Total Cannabinoids (CBD plus total RCs, % w/w)	TM-001 (HPLC-DAD)	Report	100.39	NA
Residual Solvents (ppm)	Pentane	TM-005 (HS-GO-FID)	≤ 500 ppm	Pass
	Acetone	TM-005 (HS-GO-FID)	≤ 500 ppm	Pass
	Isopropyl Alcohol	TM-005 (HS-GO-FID)	≤ 500 ppm	Pass
	Hexane	TM-005 (HS-GO-FID)	≤ 25 ppm	Pass
Pesticides (Highest, ppm)	Individual Pesticide Content Test List ³	LC-MS ⁴	≤ LOQ ³	Pass
Elemental Impurities (ppm)	Arsenic	ICP-MS ⁴	< 1.0 ppm	Pass
	Cadmium	ICP-MS ⁴	< 0.4 ppm	Pass
	Lead	ICP-MS ⁴	< 0.5 ppm	Pass
	Mercury (Total)	ICP-MS ⁴	< 0.2 ppm	Pass

¹Number of replicates: 21²TM-001 LOQ of 0.05% w/w for related cannabinoids.³Full list of individual pesticide residues on file. Eurofins LOQ of 0.05 ppm for individual residues.⁴Contract Testing performed by Eurofins BioDiagnostics.

Prepared by

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Signer Name: Danae Burgess

Signing Reason: I am the author of this document

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Quality Approval

DocuSigned by:



Signer Name: Beth Grant

Signing Reason: I approve this document

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