

Certificate of Analysis

Final Product: Cannabidiol Isolate
 Date of Manufacture: January 2020

Lot Number: IL1912I-056



Test	Methodology		Specification	Test Results (Average)*	Pass/Fail
Visual	Color and Appearance	TM-004 (Visual)	White, crystalline powder free of particulates	Conforms	Pass
Cannabidiol 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	CBD(%w/w)	TM-001 (HPLC - DAD)	>=98 %w/w	98.0	Pass
THC Content	THC(%w/w)	TM-001 (HPLC - DAD)	≤0.05 %w/w ¹	ND	Pass
	THCA(%w/w)	TM-001 (HPLC - DAD)	≤0.05 %w/w ¹	ND	Pass
Related Cannabinoid Content	CBDA(%w/w)	TM-001 (HPLC - DAD)	Report	ND	NA
	CBN(%w/w)	TM-001 (HPLC - DAD)	Report	ND	NA
	CBDV(%w/w)	TM-001 (HPLC - DAD)	Report	0.343	NA
	CBG(%w/w)	TM-001 (HPLC - DAD)	Report	ND	NA
	Other (Highest RC)(%w/w)	TM-001 (HPLC - DAD)	Report	0.205	NA
	Total (RC)(%w/w)	TM-001 (HPLC - DAD)	Report	0.548	NA
Total Cannabinoids	(CBD plus total RCs)(%w/w)	TM-001 (HPLC - DAD)	Report	98.598	NA
Residual Solvents	Pentane(ppm)	TM-005 (HS-GC - FID)	≤500 ppm	132	Pass
	Acetone(ppm)	TM-005 (HS-GC - FID)	≤500 ppm	ND	Pass
	Isopropyl Alcohol(ppm)	TM-005 (HS-GC - FID)	≤500 ppm	ND	Pass
	Hexane(ppm)	TM-005 (HS-GC - FID)	≤25 ppm	ND	Pass

*Number of replicates: 18

¹TM-001 LOQ of 0.05% w/w for related cannabinoids.

²Full list of individual pesticide residues on file, Eurofins LOQ of 0.1 ppm for individual residues.

³Contract Testing performed by Eurofins BioDiagnostics.

Data Reviewed and Approved by: **Beth Grant**
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