

Certificate of Analysis

Final Product: **Cannabidiol Isolate**
 Date of Manufacture: **February 2020**

Lot Number: **IL20011-002B**

763850

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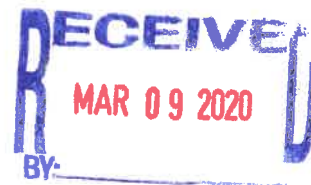
Test	Methodology	Specification	Test Results (Average)*	Pass/Fail
Visual	Color and Appearance TM-004 (Visual)	White, crystalline powder free of particulates	Conforms	Pass
Cannabidiol Identification	TM-001 (DAD Retention Time)	Retention time of the primary peak in sample chromatogram matches that in the 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	98.7	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	0.234	NA
	CBG(%w/w) TM-001 (HPLC - DAD)	Report	ND	NA
	Other (Highest RC)(%w/w) TM-001 (HPLC - DAD)	Report	0.200	NA
	Total (RC)(%w/w) TM-001 (HPLC - DAD)	Report	0.461	NA
Total Cannabinoids	(CBD plus total RCs)(%w/w) TM-001 (HPLC - DAD)	Report	99.461	NA
Residual Solvents	Pentane(ppm) TM-005 (HS-GC - FID)	≤500 ppm	162	Pass
	Acetone(ppm) TM-005 (HS-GC - FID)	≤500 ppm	<LOQ	Pass
	Isopropyl Alcohol(ppm) TM-005 (HS-GC - FID)	≤500 ppm	<LOQ	Pass
	Hexane(ppm) TM-005 (HS-GC - FID)	≤25 ppm	<LOQ	Pass

*Number of replicates: 16

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**
 2/19/2020 4:22:38 PM