

Certificate of Analysis

Final Product: Cannabidiol Isolate
Date of Manufacture: March 2020

Lot Number: IL2003I-006A



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	
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	99.2	Pass
THC Content	THC(%w/w)	TM-001 (HPLC - DAD)	Report ¹	ND	Pass
	THCA(%w/w)	TM-001 (HPLC - DAD)	Report ¹	<LOQ	Pass
	Total THC(%w/w)	TM-001 (HPLC - DAD)	Report ¹	ND	Pass
Related Cannabinoid Content	CBN(%w/w)	TM-001 (HPLC - DAD)	Report ¹	ND	Pass
	cis-THC(%w/w)	TM-001 (HPLC - DAD)	Report ¹	ND	Pass
	delta 8-THC(%w/w)	TM-001 (HPLC - DAD)	Report ¹	ND	Pass
	THCV(%w/w)	TM-001 (HPLC - DAD)	Report ¹	ND	Pass
	THCVA(%w/w)	TM-001 (HPLC - DAD)	Report ¹	ND	Pass
	CBC(%w/w)	TM-001 (HPLC - DAD)	Report	<LOQ	NA
	CBCA(%w/w)	TM-001 (HPLC - DAD)	Report	ND	NA
	CBDA(%w/w)	TM-001 (HPLC - DAD)	Report	ND	NA
	CBDVA(%w/w)	TM-001 (HPLC - DAD)	Report	ND	NA
	CBDV(%w/w)	TM-001 (HPLC - DAD)	Report	0.270	NA
	CBE(%w/w)	TM-001 (HPLC - DAD)	Report	ND	NA
	CBGA(%w/w)	TM-001 (HPLC - DAD)	Report	ND	NA
	CBG(%w/w)	TM-001 (HPLC - DAD)	Report	<LOQ	NA
	CBL(%w/w)	TM-001 (HPLC - DAD)	Report	ND	NA
CBLA(%w/w)	TM-001 (HPLC - DAD)	Report	ND	NA	
CBT(%w/w)	TM-001 (HPLC - DAD)	Report	ND	NA	
Total Unknowns(%w/w)	TM-001 (HPLC - DAD)	Report	0.240	NA	
Total (Sum of all observed RCs known and unknown) (%w/w)	TM-001 (HPLC - DAD)	Report	0.510	NA	
Total Cannabinoids (CBD plus total RCs)(%w/w)	TM-001 (HPLC - DAD)	Report	98.843	NA	
Residual Solvents	Pentane(ppm)	TM-005 (HS-GC - FID)	≤500 ppm	137	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: 15

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

²Full table of individual pesticides and associated limits on file.

³Contract Testing performed by Eurofins BioDiagnostics.

Data Reviewed and Approved by: **Beth Grant**
4/7/2020 1:40:12 PM