

Certificate of Analysis

Final Product: Cannabidiol Isolate
Date of Manufacture: July 2020

Lot Number: IL20071-011



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	99.4	Pass	
THC Content	THC(%w/w) TM-001 (HPLC - DAD)	≤LOQ [†]	ND	Pass	
	THCA(%w/w) TM-001 (HPLC - DAD)	Report [†]	ND	Pass	
	Total THC(%w/w) TM-001 (HPLC - DAD)	≤LOQ [†]	ND	Pass	
Related Cannabinoid Content	CBN(%w/w) TM-001 (HPLC - DAD)	Report [†]	ND	Pass	
	cis-THC(%w/w) TM-001 (HPLC - DAD)	Report [†]	<LOQ	Pass	
	delta 8-THC(%w/w) TM-001 (HPLC - DAD)	Report [†]	ND	Pass	
	THCV(%w/w) TM-001 (HPLC - DAD)	Report [†]	ND	Pass	
	THCVA(%w/w) TM-001 (HPLC - DAD)	Report [†]	ND	Pass	
	CBCA(%w/w) TM-001 (HPLC - DAD)	Report	ND	NA	
	CBCA(%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	0.249	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	ND	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	0.165	NA	
	Total (Sum of all observed RCs known and unknown)(%w/w) TM-001 (HPLC - DAD)	Report	0.414	NA	
	Total Cannabinoids	(CBD plus total RCs)(%w/w) TM-001 (HPLC - DAD)	Report	99.769	NA
	Residual Solvents	Pentane(ppm) TM-005 (HS-GC - FID)	≤500 ppm	104	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	
Ethanol(ppm) TM-005 (HS-GC - FID)		≤500 ppm	<LOQ	Pass	
Methanol(ppm) TM-005 (HS-GC - FID)		≤300 ppm	<LOQ	Pass	

*Number of replicates: 21

[†]TM-001 LOQ of 0.05% w/w for related cannabinoids.

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

*Contract Testing performed by Eurofins BioDiagnostics.