

Certificate of Analysis



Final Product: 20% CBD Isolate Water Soluble

Lot Number: B2102B021

Date of Manufacture: February 2021

Test	Methodology		Specification	Test Results (Average)*	Pass/Fail
Visual	Color and Appearance	TM-004 (Visual)	Opaque, Off-white to tan, flowing solution	Conforms	Pass
Cannabidiol Identification		TM-008 (DAD Retention Time)	Retention time of the primary peak in sample chromatogram matches that in the analytical reference standard.	Conforms	Pass
		TM-008 (DAD UV Spectrum)	UV Spectrum of the primary peak in sample chromatogram matches that in the analytical reference standard.	Conforms	Pass
CBD Content	Assay (percent of label claim)(%)	TM-008 (HPLC - DAD)	90.0 - 110.0 %	107.0	Pass
	Assay (w/w)(%)	TM-008 (HPLC - DAD)	18.0 - 22.0 %	21.4	Pass
THC Content	THC(%w/w)	TM-008 (HPLC - DAD)	Report	0.005	NA
	THCA(%w/w)	TM-008 (HPLC - DAD)	Report	ND	NA
	Total THC(%w/w)	TM-008 (HPLC - DAD)	≤0.050 %w/w	0.005	Pass
Related Cannabinoid Content	CBN(%w/w)	TM-008 (HPLC - DAD)	Report	ND	NA
	cis-THC(%w/w)	TM-008 (HPLC - DAD)	Report	0.005	NA
	delta 8-THC(%w/w)	TM-008 (HPLC - DAD)	Report	ND	NA
	THCV(%w/w)	TM-008 (HPLC - DAD)	Report	ND	NA
	THCVA(%w/w)	TM-008 (HPLC - DAD)	Report	ND	NA
	CBC(%w/w)	TM-008 (HPLC - DAD)	Report	0.005	NA
	CBDA(%w/w)	TM-008 (HPLC - DAD)	Report	ND	NA
	CBDVA(%w/w)	TM-008 (HPLC - DAD)	Report	ND	NA
	CBDV(%w/w)	TM-008 (HPLC - DAD)	Report	0.058	NA
	CBE(%w/w)	TM-008 (HPLC - DAD)	Report	0.050	NA
	CBGA(%w/w)	TM-008 (HPLC - DAD)	Report	ND	NA
	CBG(%w/w)	TM-008 (HPLC - DAD)	Report	ND	NA
	CBL(%w/w)	TM-008 (HPLC - DAD)	Report	ND	NA
	CBT(%w/w)	TM-008 (HPLC - DAD)	Report	ND	NA
	Total (RC)(%w/w)	TM-008 (HPLC - DAD)	Report	0.114	NA
Total Cannabinoids	(CBD plus total RCs)(% w/w)	TM-008 (HPLC - DAD)	Report	21.511	NA
Preservative Content	Sodium Benzoate (w/w)(% w/w)	TM-007 (HPLC - DAD)	Report	0.1	NA
	Sodium Benzoate (percent of Target)(%)	TM-007 (HPLC - DAD)	70.0 - 130.0 %	100.9	Pass

*Number of replicates: 3

Data Reviewed and Approved by: **Tim Ghelli**
2/11/2021 9:09:37 AM