

Certificate of Analysis

Final Product: Isolate Softgel - 30mg

Test	Methodology		Specification	Test Results (Average)*	Pass/Fail
Visual	Color and Appearance	TM-004 (Visual)	Oval, dark amber softgel capsule containing clear to lightly hazy, amber, free flowing liquid.	Conforms	Pass
Cannabidiol Identification	ID by RT	TM-010 (DAD Retention Time)	Retention time of the primary peak in sample chromatogram matches that in the analytical reference standard.	Conforms	Pass
	ID by UV	TM-010 (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)(%w/w)	TM-010 (HPLC - DAD)	90.0 - 110.0 %w/w	98.5	Pass
THC Content	THC(%w/w)	TM-010 (HPLC - DAD)	Report	ND	NA
	THCA(%w/w)	TM-010 (HPLC - DAD)	Report	ND	NA
	Total THC(%w/w)	TM-010 (HPLC - DAD)	≤0.05 %w/w	ND	Pass
THCV Content	THCV(%w/w)	TM-010 (HPLC - DAD)	Report	ND	NA
Related Cannabinoid Content	CBDA(%w/w)	TM-010 (HPLC - DAD)	Report	ND	NA
	CBN(%w/w)	TM-010 (HPLC - DAD)	Report	ND	NA
	CBDV(%w/w)	TM-010 (HPLC - DAD)	Report	ND	NA
	CBG(%w/w)	TM-010 (HPLC - DAD)	Report	ND	NA
	Other (Highest)(%w/w)	TM-010 (HPLC - DAD)	Report	ND	NA
	Total(%w/w)	TM-010 (HPLC - DAD)	Report	ND	NA
Total Cannabinoids (CBD plus total RCs)	Total (CBD plus RC)(% w/w)	TM-010 (HPLC - DAD)	Report	98.500	NA
Weight Variation	Average Fill Weight	USP<2091> ¹	Report	504.2	NA
	Minimum Weight (Percent of the Average)	USP<2091> ¹	≥90.0	98.6	Pass
	Maximum Weight (Percent of the Average)	USP<2091> ¹	≤110.0	101.2	Pass
Disintegration (By Rupture)	USP 2040	USP<2040> ¹	Within 15 minutes	Conforms	Pass
Pesticides	Individual Pesticide Content Test List ²	LC-MS ⁴	Conforms ³	Conforms	Pass
Elemental Impurities	Arsenic (inorganic)(ppm) ²	LC-MS ⁴	<1.5 ppm	<LOQ	Pass
	Cadmium(ppm) ²	LC-MS ⁴	<0.5 ppm	<LOQ	Pass
	Lead(ppm) ²	LC-MS ⁴	<0.5 ppm	<LOQ	Pass
	Mercury (total)(ppm) ²	LC-MS ⁴	<0.2 ppm	<LOQ	Pass

*Number of replicates: 1

¹Contract Testing performed by Captek.

²Results are reported per testing performed on the bulk product.

³Full list of individual pesticide residues on file.

⁴Contract Testing performed by Eurofins BioDiagnostics.

Data Reviewed and Approved by:



Digitally signed by Tim Ghelli
Date: 2020.11.20 12:41:11 -07'00'