

Certificate of Analysis

Final Product: Isolate Softgel

Lot Number: C1901668

Strength: 10 mg

Date of Manufacture: 06/2019

Test	Methodology	Specification	Test Results (Average) ¹	Pass/Fail
Color and Appearance	TM-004 (Visual)	Oval, dark amber softgel capsule containing clear to lightly hazy, amber, free flowing liquid.	Conforms	Pass
Cannabidiol Identification	TM-010 (DAD Retention Time)	Retention time of the primary peak in sample chromatogram matches that in the analytical reference standard.	Conforms	Pass
	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 (% of Label Claim)	TM-010 (HPLC-DAD)	90.0 – 110.0%	97.8	Pass
THC Content (% w/w)	THC	TM-010 (HPLC-DAD)	Report	N/A
	THCA	TM-010 (HPLC-DAD)	Report	N/A
	Total THC	TM-010 (HPLC-DAD)	≤ 0.05%	Pass
THCV Content (% w/w)	THCV	TM-010 (HPLC-DAD)	Report	N/A
	Related Cannabinoid Content (%w/w)	CBDA	TM-010 (HPLC-DAD)	Report
CBN		TM-010 (HPLC-DAD)	Report	N/A
CBDV		TM-010 (HPLC-DAD)	Report	0.005
CBG		TM-010 (HPLC-DAD)	Report	ND
Other (Highest)		TM-010 (HPLC-DAD)	Report	0.004
Total		TM-010 (HPLC-DAD)	Report	0.010
Total Cannabinoids (CBD plus total RCs, % w/w)	TM-010 (HPLC-DAD)	Report	1.410	N/A
Weight Variation	Average Fill Weight (mg)	USP<2091> ²	Report	505.9
	Minimum Weight (% of the Average)	USP<2091> ²	≥ 90.0%	98.0
	Maximum Weight (% of the Average)	USP<2091> ²	≤ 110.0%	102.2
Disintegration (By Rupture)	USP<2040> ²	Within 15 minutes	5 minutes	Pass
Pesticides ³	Individual Pesticide Content Test List ⁴	LC-MS ⁵	Conforms ⁴	Pass
Elemental Impurities (ppm) ³	Arsenic (inorganic)	LC-MS ⁵	< 1.5 ppm	Pass
	Cadmium	LC-MS ⁵	< 0.5 ppm	Pass
	Lead	LC-MS ⁵	< 0.5 ppm	Pass
	Mercury (total)	LC-MS ⁵	< 0.2 ppm	Pass

¹ Number of replicates: 3

² Contract testing performed by Captek.

³ Results are reported per testing performed on the bulk product.

⁴ Full list of individual pesticide residues on file, Eurofins LOQ of 0.05 ppm for individual residues.

⁵ Contract testing performed by Eurofins BioDiagnostics.

Prepared by

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Quality Approval

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