

Certificate of Analysis

Final Product: Cannabigerol Isolate

Lot Number: TF1-49

Date of Manufacture: 11/2019

Test		Methodology	Specification	Test Results (Average) ¹	Pass/Fail
Color and Appearance		TM-004 (Visual)	White, crystalline powder free of particulates	Conforms	Pass
CBG 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
CBG Potency (% w/w)		TM-001 (HPLC-DAD)	≥ 98%	98.33	Pass
THC Content (% w/w)	THC	TM-001 (HPLC-DAD)	≤ LOQ ²	ND	Pass
	THCA	TM-001 (HPLC-DAD)	≤ LOQ ²	ND	Pass
Related Cannabinoid Content (%w/w)	CBDA	TM-001 (HPLC-DAD)	Report	ND	NA
	CBN	TM-001 (HPLC-DAD)	Report	ND	NA
	CBDV	TM-001 (HPLC-DAD)	Report	0.11	NA
	CBD	TM-001 (HPLC-DAD)	Report	< LOQ	NA
	Other (Highest)	TM-001 (HPLC-DAD)	Report	0.29	NA
	Total	TM-001 (HPLC-DAD)	Report	0.57	NA
	Total Cannabinoids (CBD plus total RCs, % w/w)	TM-001 (HPLC-DAD)	Report	98.89	NA
Residual Solvents (ppm)	Pentane	TM-005 (HS-GC-FID)	≤ 500 ppm	197	Pass
	Acetone	TM-005 (HS-GC-FID)	≤ 500 ppm	< LOQ	Pass
	Isopropyl Alcohol	TM-005 (HS-GC-FID)	≤ 500 ppm	< LOQ	Pass
	Hexane	TM-005 (HS-GC-FID)	≤ 25 ppm	ND	Pass

¹Number of replicates: 3

²TM-001 LOQ of 0.05% w/w for related cannabinoids.

Prepared By

DocuSigned by:

Joshua Cogell



Signer Name: Joshua Cogell
 Signing Reason: I am the author of this document
 Signing Time: 11/12/2019 | 2:25:56 PM PST

D0928840551743D7852CD20979E40396

Quality Approval

DocuSigned by:

Josh Harrelson



Signer Name: Josh Harrelson
 Signing Reason: I approve this document
 Signing Time: 11/12/2019 | 2:31:29 PM PST

15E509A466BE44BAB51EC15D7A083509