

Certificate of Analysis

Final Product	Cannabidiol Isolate	Lot Number	378
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Test	Methodology	Specification	Test Results (Average, Indicate # of replicates)	Pass / Fail
Color and Appearance	Visual	White, crystalline powder	Conforms (n=7)	Pass
Cannabidiol Potency (% w/w)	HPLC – DAD	≥ 98%	99.0 (n=7)	Pass
Residual Isopropyl Alcohol	Headspace GC-FID	≤ 500 ppm	<LOQ (n=7)	Pass
Residual Pentane	Headspace GC-FID	≤ 500 ppm	114 (n=7)	Pass
Residual Acetone	Headspace GC-FID	≤ 500 ppm	<LOQ (n=7)	Pass
Residual Hexane	Headspace GC-FID	≤ 25 ppm	ND (n=7)	Pass
THC cannabinoid (% w/w)	HPLC – DAD	≤ Limit of Quantification	<LOQ (n=7)	Pass
CBDA cannabinoid (% w/w)	HPLC – DAD	Report	ND (n=7)	
THCA cannabinoid (% w/w)	HPLC – DAD	≤ Limit of Quantification	ND (n=7)	Pass
CBN cannabinoid (% w/w)	HPLC – DAD	Report	ND (n=7)	
CBDV cannabinoid (% w/w)	HPLC – DAD	Report	0.43 (n=7)	
Other cannabinoid (Report Highest, % w/w)	HPLC – DAD	Report	0.22 (n=7)	
Total Related Cannabinoids (% w/w)	HPLC – DAD	Report	0.67 (n=7)	
Total Cannabinoids (CBD plus total RCs, % w/w)	HPLC – DAD	Report	99.71 (n=7)	

Results Reviewed by	Quality Approval
Signature: 	Signature: 
Print Name: Joana Casella	Print Name: Josh Harrison
Date: 1/30/19	Date: 01.30.19