



STRAIGHT HEMP

CERTIFICATE OF ANALYSIS

PRODUCT: Broad Spectrum Vape Oil
BATCH/LOT: 8

PRODUCTION DATE: 09/03/2019
BEST BY/EXP DATE: 09/2021

INGREDIENTS: Full Spectrum Hemp Extract, Terpene Blend (Hemp-derived)
ADDITIVES: none
EXCIPIENTS: none

TEST	METHOD	SPECIFICATION	RESULTS
Strength & Composition			
Total Cannabidiol (CBD) ⁱ	UPLC/UV	48 – 58 %	52.40%
Total Tetrahydrocannabinol (THC) ⁱⁱ	UPLC/UV	None Detected	None Detected
Terpene assay ⁱⁱⁱ	HS-GC/MS	n/e	10.8%
Residual Solvents^{iv}			
Propane	HS-GC	NMT 1,000 ppm	PASS
Isobutane	HS-GC	NMT 1,000 ppm	PASS
Butane	HS-GC	NMT 1,000 ppm	PASS
Methanol	HS-GC	NMT 3,000 ppm	PASS
Pentane	HS-GC	NMT 5,000 ppm	PASS
Ethanol	HS-GC	NMT 5,000 ppm	PASS
Acetone	HS-GC	NMT 5,000 ppm	PASS
Isopropanol	HS-GC	NMT 5,000 ppm	PASS
Acetonitrile	HS-GC	NMT 410 ppm	PASS
Hexane	HS-GC	NMT 290 ppm	PASS
Heptane	HS-GC	NMT 5,000 ppm	PASS

David Cole
Director of Quality

12/13/19
Date

ⁱ Total CBD = CBD + (0.877*CBDA) to account for loss of acid group during decarboxylation

ⁱⁱ Total THC = THC + (0.877*THCA) to account for loss of acid group during decarboxylation

ⁱⁱⁱ Sum of terpene assay (n=22)

^{iv} Based on USP recommended limits for residual solvents. Butane/Propane limits based on those established by the State of Colorado

NMT = Not More Than

