

CERTIFICATE OF ANALYSIS:  
**CRYSTALLINE CANNABIDIOL**

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Product Name

CC – Crystalline Cannabidiol

Batch Number

CC190088C\_RE

Manufacture Date

March 25, 2019

Expiration Date

March 2021

Botanical Source

Industrial hemp, grown and processed in Kentucky, USA in compliance with Section 7606 of the Farm Bill and applicable Kentucky State Law and State Department of Agriculture regulations.

Product Description

This product is hemp derived crystalline cannabidiol, isolated through CO<sub>2</sub> extraction and crystal precipitation. CBD content is double validated through HPLC and convergence chromatography.

Qualitative Analysis

OBSERVATION	METHOD	RESULT
Foreign Matter	Gross Visual/Microscopic	Absent
Color	Gross Visual/Microscopic	White/Off-White
Molds & Mildews	Gross Visual/Microscopic	Absent
Smell	Olfactory	Absent
Product Feel	Tactile	Crystalline, Fine

Quantitative Analysis

Cannabinoid Analysis

RESULT: PASS

IDENTIFICATION	METHOD	RESULT
Cannabinoid	Convergence Chromatography	%wt/wt
Cannabidiolic Acid (CBDA)**	Convergence Chromatography	N/D
Cannabidiol (CBD)**	Convergence Chromatography	99.51%
Cannabidivarin (CBDV)**	Convergence Chromatography	0.29%
Tetrahydrocannabinolic Acid (THCA)**	Convergence Chromatography	N/D
$\Delta$ -9-Tetrahydrocannabinol ( $\Delta$ -9-THC)**	Convergence Chromatography	N/D
Cannabinol (CBN)**	Convergence Chromatography	N/D
Cannabichromene (CBC)**	Convergence Chromatography	0.01%

\*\*Denotes third party analysis. Source data available upon request.

N/A NOT APPLICABLE TO PRODUCT TYPE

N/D NOT DETECTED



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