

CERTIFICATE OF ANALYSIS: **Crystalline Cannabidiol**

Product Name

Crystalline Cannabidiol

Product Code

CC (Crystalline Cannabidiol)

Batch No.

Batch CC17117

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 CO₂ extraction and crystal precipitation. CBD content is double validated through HPLC and Convergence Chromatography.

Additional Information

The values below represent batch analysis with pertinent data for each class of data. Each batch or sample may vary slightly, a certificate of analysis (COA) with exact values will be issued with each order.

Questions or concerns can be directed to sales@gencanna.com

Qualitative Analysis

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

Quantitative Analysis

Physical

IDENTIFICATION	METHOD	RESULT
% Moisture	AOAC 4.1.03	<1%

Microbial Analysis**

IDENTIFICATION	METHOD	RESULT	RESULT: PASS
Standard Plate Count	BAM-3	NEGATIVE	
Total Aflatoxin	AOAC 49.2.05	NEGATIVE	
Total Yeast	BAM-18	NEGATIVE	
Total Mold	BAM-18	NEGATIVE	

Cannabinoid Analysis			RESULT: PASS
IDENTIFICATION	METHOD	RESULT	
Cannabinoid	HPLC-DAD	%w/wt	
Cannabidiolic Acid (CBDA)	HPLC-DAD	N/D	
Cannabidiol (CBD)	HPLC-DAD	99.5%	
Cannabidiol (CBD)	Convergence Chromatography	N/A	
Cannabidivarin (CBDV)	HPLC-DAD	0.10%	
Tetrahydrocannabinolic Acid	HPLC-DAD	N/D	
Δ -9-Tetrahydrocannabinol	HPLC-DAD	N/D	
Cannabinol	HPLC-DAD	N/D	
Cannabigerolic Acid	HPLC-DAD	N/D	

Terpene Analysis**			RESULT: PASS
IDENTIFICATION	METHOD	RESULT	
<i>Trans</i> -Nerolidol	W-10-08	N/A	
α -bisabolol	W-10-08	N/A	
β -caryophyllene	W-10-08	N/A	
Humulene	W-10-08	N/A	
Terpineol	W-10-08	N/A	
Limonene	W-10-08	N/A	
α -pinitandrene	W-10-08	N/A	

Heavy Metal Analysis**			RESULT: PASS
IDENTIFICATION	METHOD	RESULT	
Arsenic	6010B	N/D	
Cadmium	6010B	N/D	
Chromium	6010B	N/D	
Lead	6010B	N/D	
Mercury	6010B	N/D	

Pesticide Analysis**			RESULT: PASS
IDENTIFICATION	METHOD	RESULT	
Multi Residue Pesticide Analysis	AOAC 2007.1	N/D	

Residual Solvent Analysis**			RESULT: PASS
IDENTIFICATION	METHOD	RESULT	
Hexanes	GC/MS HEADSPACE	N/D	
Acetone	GC/MS HEADSPACE	N/D	
Ethanol	GC/MS HEADSPACE	N/D	
Isopropyl Alcohol	GC/MS HEADSPACE	N/D	

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