

Certificate of Analysis

Product Name: Cannabidiol

Synonyms: 2-[3-methyl-6-(1-methylethenyl)-2-cyclohexene-1-yl]-5-pentyl-1,3-benzenediol

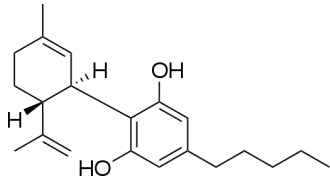
Molecular Weight: 314.46

CAS Number: 13956-29-1

Empirical Formula: C₂₁H₃₀O₂

Storage Temperature: 2-8°C

Structure:



Batch Number: CBD021803

Manufactured by: Dynamic Extractions Ltd.

Date of Manufacture: 3rd May 2019

Date of Analysis: 10th May 2019

1. Physical Appearance – White powder

2. Cannabinoid Profile

Analyte	%w/w
CBDV	0.14
CBDVA	ND
CBG	ND
CBD	99.85
THCV	ND
CBDA	ND
CBGA	ND
CBN	ND
Δ ⁹ -THC	ND
Δ ⁸ -THC	ND
THCVA	ND
CBC	ND
THCA	ND
CBCA	ND

3. Terpene Profile

Analyte	mg/g
alpha-Pinene	ND
Camphene	ND
beta-Pinene	ND
beta-Myrcene	ND
delta-3-carene	0.058
alpha-Terpinene	ND
Limonene	ND
p-cymene	ND
Eucalyptol	ND
Ocimene	ND
gamma-Terpinene	ND
Terpinolene	0.072
Linalool	ND
Isopulegol	ND
Geraniol	ND
beta-Caryophyllene	ND
alpha-Humulene	ND
cis-Nerolidol	ND
trans-Nerolidol	ND
Guaiol	ND
Caryophyllene oxide	ND
alpha-Bisabolol	ND

4. Heavy Metal Profile

Metal	Unit	Method	Result
Lead (Pb)	mg/kg	SAA L006-15 (i.A. ASU L00.00 19/3, Stand: 07-2004)	<0.2
Cadmium (Cd)	mg/kg	SAA L006-15 (i.A. ASU L00.00 19/3, Stand: 07-2004)	0.06
Mercury (Hg)	mg/kg	SAA L006-15 (i.A. ASU L00.00 19/3, Stand: 07-2004)	<0.01
Arsenic (As)	mg/kg	SAA L006-15 (i.A. ASU L00.00 19/3, Stand: 07-2004)	<0.025

5. Residual Solvent Profile

Item	mg/kg
Methanol	ND
N-pentane	ND
Ethanol	ND
Diethyl ether	ND
Acetone	690.6
Isopropanol	ND
Acetonitrile	ND
Dichloromethane	ND
Chloroform	ND
Cyclohexane	ND

Item	mg/kg
Hexane	4.4
Ethyl acetate	ND
Benzene	ND
1,2-dichloroethane	ND
Heptane	547.0
Trichloroethane	ND
Toluene	ND
M-xylene	ND
P-xylene	ND
O-xylene	ND

6. Residual Pesticide Profile

Item	mg/kg	Method	Result
Organochlorines	mg/kg	ASU L 00.00-114, L00.00-115 (2002)	N/D
Organophosphorus'	mg/kg	ASU L 00.00-114, L00.00-115 (2002)	N/D
Pyrethroids	mg/kg	ASU L 00.00-114, L00.00-115 (2002)	N/D
Carbamates	mg/kg	ASU L 00.00-114, L00.00-115 (2002)	N/D
Triazines	mg/kg	ASU L 00.00-114, L00.00-115 (2002)	N/D
Triazoles	mg/kg	ASU L 00.00-114, L00.00-115 (2002)	N/D

7. Mycotoxin Profile

Item	Unit	Method	Result
Aflatoxin B1	µg/kg	ASU L 15.00-2 (Stand: 2014)	<0.05
Aflatoxin B2	µg/kg	ASU L 15.00-2 (Stand: 2014)	<0.05
Aflatoxin G1	µg/kg	ASU L 15.00-2 (Stand: 2014)	<0.05
Aflatoxin G2	µg/kg	ASU L 15.00-2 (Stand: 2014)	<0.05
Ochratoxin A	µg/kg	ASU L 15.00-2 (Stand: 1999)	<1.0

8. Microbial Profile

Microbe	Method	Unit	Result
Total Viable Count	ASU L 00.00-88/1 Stand: 22.01.2016	cfu/g	1,3x10 ²
E. coli	SAA M 03-3 (ASU L 06.00-36, Stand: 1991-12)	cfu/g	<10
Molds	SAA M 03-1 (i.A. ASU L01.00 -37, Stand 1991-12)	cfu/g	<100
Yeasts	SAA M 03-1 (i.A. ASU L01.00 -37, Stand 1991-12)	cfu/g	1,1x10 ²
Salmonella spp.	ASU 00.00-20 Stand : 21.01.2016	In 25g	N/D

Lab Approval Signature:



Colin Bright
Senior Scientist
Dynamic Extractions Ltd.
Lab Approval Date: 10th May 2019

Release Approval Signature:



David Rooke
Chairman
Dynamic Extractions Ltd.
Release Approval Date: 13th May 2019