

CERTIFICATE OF ANALYSIS

Order Type: Medical Cannabis
Order ID: OR2019-1098

Customer ID: 32
Customer Name: CBD Plus USA

Harvest/Extract Lot: None
Harvest/Extract Batch: None

Cultivar (Strain): Blue Dream CRD all carts

Lab ID: SA2019-3887

Sample Matrix: Concentrate

Sample Date: 04/12/2019

Date Received: 04/12/2019

Date Completed: 04/15/2019

Remarks:

CANNABINOID (POTENCY) PROFILE

Analysis Date/Time: 04/12/2019 2329

Method: HPLC/DAD (Internal Method-001)

Moisture Content (%): -

Analyst: OL

Instrument: Agilent 1100

Water Activity (aw): -

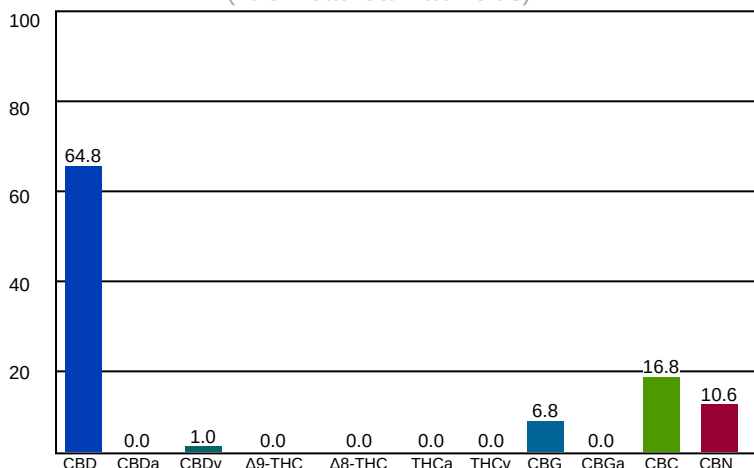
Cannabinoid	Result (%)	Result (mg/g)	Reporting Limit (mg/g)	Per Unit (mg)
CBD	40	400	0.265	400
CBDa	-	-	0.265	-
CBDv	0.646	6.46	0.265	6.46
Δ9-THC	-	-	0.265	-
Δ8-THC	-	-	0.265	-
THCa	-	-	0.265	-
THCv	-	-	0.265	-
CBC	10.4	104	0.265	104
CBG	4.22	42.2	0.265	42.2
CBGa	-	-	0.265	-
CBN	6.53	65.3	0.265	65.3
TOTAL	61.8	618		618
TOTAL THC	-	-		-
TOTAL CBD	40	400		400



UNIT MASS (g): 1

"-" Not detected above RL.

Cannabinoid Distribution (% of Total Cannabinoids)



Deviations from standard operating procedure: None

Recoveries for all analyte standards: 90-110%
 Replicate Uncertainties: <5% RSD, <20% RPD
 Sample/Reagent Blanks: <RL for all analytes

Values for plant matter are adjusted for moisture content.

Total THC = (THCa x 0.877) + Δ9-THC
 Total CBD = (CBDa x 0.877) + CBD

Percentage results are reported by mass.
 mg/g results are reported as mass component per mass material.

Abbreviations: UV - Ultraviolet, HPLC - High Pressure Liquid Chromatography, RL - Reporting Limit, RPD - Relative Percent Difference, RSD - Relative Standard Deviation

This information is provided as a service and makes no claims of efficacy and/or safety of this product. Results are applicable only for the sample(s) analyzed and for the specific analysis conducted. This report is for informational purposes only and should not be used to diagnose, treat, or prevent any medical-related symptoms. The statements and results herein have not been approved and/or endorsed by the FDA.

REPORT OF LABORATORY ANALYSIS

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Kyle W. Felling
 Kyle W. Felling, Ph.D.
 Laboratory Director

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Remarks:

TERPENOID PROFILE

Analysis Date/Time: 04/12/2019 2329
Analyst: OL

Method: HS/GC/FID (Internal Method-002)
Instrument: Agilent 6890

Deviations from SOP:
 None

Terpene	Result (µg/g)	Result (%)	
α-Bisabolol	30	0.003	
Camphene	263	0.0263	
δ-3-Carene	327	0.0327	
β-Caryophyllene	661	0.0661	
Caryophyllene oxide	-	-	
p-Cymene	-	-	
Eucalyptol	-	-	
Geraniol	-	-	
Guaiol	-	-	
α-Humulene	27	0.00275	
Isopulegol	-	-	
d-Limonene	2958	0.296	
Linalool	989	0.0989	
β-Mycene	7086	0.709	
cis-Nerolidol	-	-	
trans-Nerolidol	-	-	
α-Ocimene	-	-	
β-Ocimene	26	0.00264	
α-Pinene	12292	1.23	
β-Pinene	4442	0.444	
α-Terpinene	-	-	
γ-Terpinene	-	-	
Terpinolene	429	0.0429	
TOTAL	29532	2.95	



Abbreviations: HS - Headspace, GC - Gas Chromatography, MS - Mass Spectrometry, RL - Reporting Limit

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Reporting Limit (µg/g): 10.9

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