

CERTIFICATE OF ANALYSIS

Order Type: Medical Cannabis
Order ID: OR2019-3601

Customer ID: 32
Customer Name: CBD Plus USA

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

Cultivar (Strain): 6:1 CBG:CBD
Sample Date: 09/10/2019

Lab ID: SA2019-11364
Date Received: 09/10/2019

Sample Matrix: Concentrate
Date Completed: 09/17/2019

Remarks:

CANNABINOID (POTENCY) PROFILE

Analysis Date/Time: 09/12/2019 0311
Analyst: OL

Method: HPLC/DAD (Internal Method-001)
Instrument: Agilent 1100

Moisture Content (%): -
Water Activity (aw): -

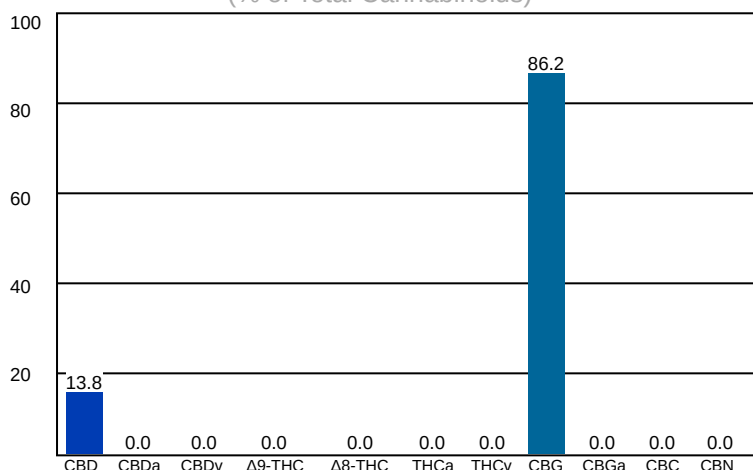
Cannabinoid	Result (%)	Result (mg/g)	Reporting Limit (mg/g)	Result (mg/mL)	Per Unit (mg)
CBD	13.5	135	0.479	-	135
CBDa	-	-	0.479	-	-
CBDv	-	-	0.479	-	-
Δ9-THC	-	-	0.479	-	-
Δ8-THC	-	-	0.479	-	-
THCa	-	-	0.479	-	-
THCv	-	-	0.479	-	-
CBC	-	-	0.479	-	-
CBG	84.3	843	0.479	-	843
CBGa	-	-	0.479	-	-
CBN	-	-	0.479	-	-
TOTAL	97.8	978			978
TOTAL THC	-	-			-
TOTAL CBD	13.5	135			135



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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Remarks:

TERPENOID PROFILE

Analysis Date/Time: 09/12/2019 0311
Analyst: OL

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

Deviations from SOP:
None

<u>Terpene</u>	<u>Result (µg/g)</u>	<u>Result (%)</u>
α-Bisabolol	-	-
Camphene	-	-
δ-3-Carene	-	-
β-Caryophyllene	37	0.00372
Caryophyllene oxide	-	-
p-Cymene	-	-
Eucalyptol	-	-
Geraniol	-	-
Guaiol	-	-
α-Humulene	-	-
Isopulegol	-	-
d-Limonene	47	0.00472
Linalool	-	-
β-Myrcene	-	-
cis-Nerolidol	-	-
trans-Nerolidol	-	-
α-Ocimene	-	-
β-Ocimene	-	-
α-Pinene	-	-
β-Pinene	-	-
α-Terpinene	-	-
γ-Terpinene	-	-
Terpinolene	-	-
TOTAL	84	0.00843



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

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Reporting Limit (µg/g): 16.1

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John K. Irvin, M.S.
Laboratory Director (Tulsa)