

CERTIFICATE OF ANALYSIS

Order Type: Medical Cannabis
Order ID: OR2019-2947

Customer ID: 32
Customer Name: CBD Plus USA

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

Cultivar (Strain): Elektra
Sample Date: 08/13/2019

Lab ID: SA2019-9427
Date Received: 08/13/2019

Sample Matrix: Flower
Date Completed: 08/14/2019

Remarks:

CANNABINOID (POTENCY) PROFILE

Analysis Date/Time: 08/13/2019 2054
Analyst: OL

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

Moisture Content (%): 5.0
Water Activity (aw): 0.4502 @ 25.03°C

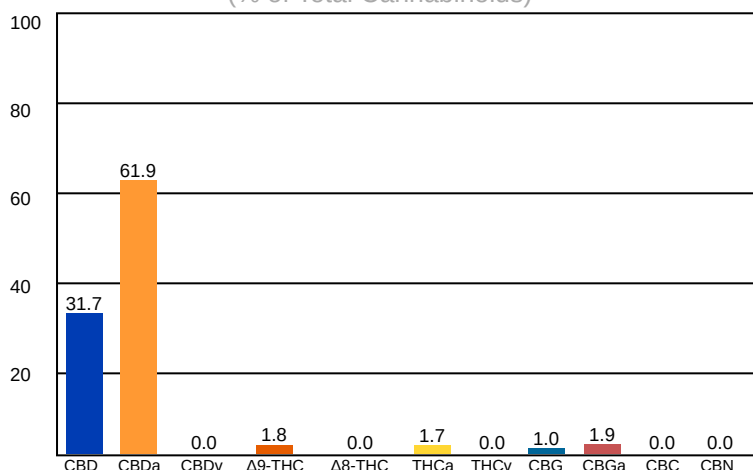
Cannabinoid	Result (%)	Result (mg/g)	Reporting Limit (mg/g)	Result (mg/mL)	Per Unit (mg)
CBD	4.87	48.7	0.0515	-	49
CBDa	9.52	95.2	0.0515	-	95
CBDv	-	-	0.0515	-	-
Δ9-THC	0.275	2.75	0.0515	-	3
Δ8-THC	-	-	0.0515	-	-
THCa	0.268	2.68	0.0515	-	3
THCv	-	-	0.0515	-	-
CBC	-	-	0.0515	-	-
CBG	0.157	1.57	0.0515	-	1.57
CBGa	0.292	2.92	0.0515	-	3
CBN	-	-	0.0515	-	-
TOTAL	15.4	146			154
TOTAL THC	0.51	4.85			5
TOTAL CBD	13.2	126			132



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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TERPENOID PROFILE

Analysis Date/Time: 08/13/2019 2054
Analyst: OL

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

Deviations from SOP:
 None

Terpene	Result (µg/g)	Result (%)	
α-Bisabolol	16	0.00156	
Camphene	250	0.025	■
δ-3-Carene	-	-	
β-Caryophyllene	167	0.0167	■
Caryophyllene oxide	-	-	
p-Cymene	-	-	
Eucalyptol	-	-	
Geraniol	-	-	
Guaiol	-	-	
α-Humulene	64	0.00639	■
Isopulegol	-	-	
d-Limonene	50	0.00498	■
Linalool	34	0.00337	■
β-Myrcene	268	0.0268	■
cis-Nerolidol	45	0.00453	■
trans-Nerolidol	62	0.00619	■
α-Ocimene	-	-	
β-Ocimene	17	0.0017	
α-Pinene	97	0.00965	■
β-Pinene	94	0.00939	■
α-Terpinene	-	-	
γ-Terpinene	-	-	
Terpinolene	-	-	
TOTAL	1163	0.116	



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

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Reporting Limit (µg/g): 11.1

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 Laboratory Director