

CERTIFICATE OF ANALYSIS

Order Type: CBD **Customer ID:** 32 **Harvest/Extract Lot:** None
Order ID: OR2019-930 **Customer Name:** CBD Plus USA **Harvest/Extract Batch:** None

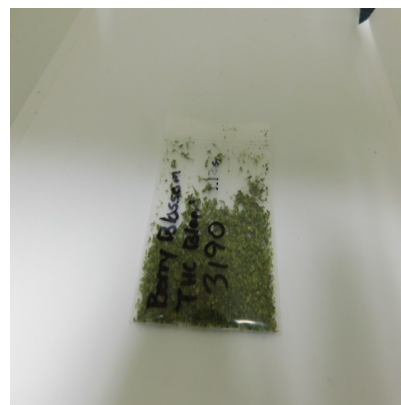
Cultivar (Strain): Berry Blossom THC Blend **Lab ID:** SA2019-3190 **Sample Matrix:** Flower
Sample Date: 04/02/2019 **Date Received:** 04/02/2019 **Date Completed:** 04/05/2019

Remarks:

CANNABINOID (POTENCY) PROFILE

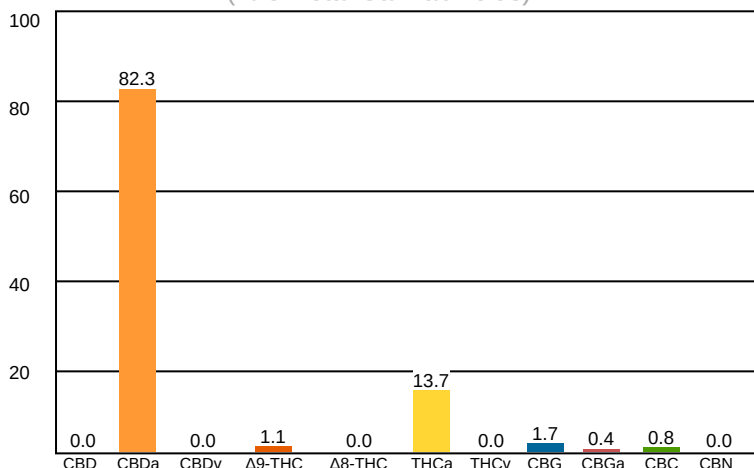
Analysis Date/Time: 04/03/2019 1121 **Method:** HPLC/DAD (Internal Method-001) **Moisture Content (%):** -
Analyst: OL **Instrument:** Agilent 1100 **Water Activity (aw):** -

Cannabinoid	Result (%)	Result (mg/g)	Reporting Limit (mg/g)	Per Unit (mg)
CBD	-	-	0.0301	-
CBDa	9.16	91.6	0.0301	91.6
CBDv	-	-	0.0301	-
Δ9-THC	0.118	1.18	0.0301	1.18
Δ8-THC	-	-	0.0301	-
THCa	1.52	15.2	0.0301	15.2
THCv	-	-	0.0301	-
CBC	0.0931	0.931	0.0301	0.931
CBG	0.191	1.91	0.0301	1.91
CBGa	0.0483	0.483	0.0301	0.483
CBN	-	-	0.0301	-



TOTAL	11.1	111	111	UNIT MASS (g): 1
TOTAL THC	1.46	14.6	14.6	"-" Not detected above RL.
TOTAL CBD	8.03	80.3	80.3	

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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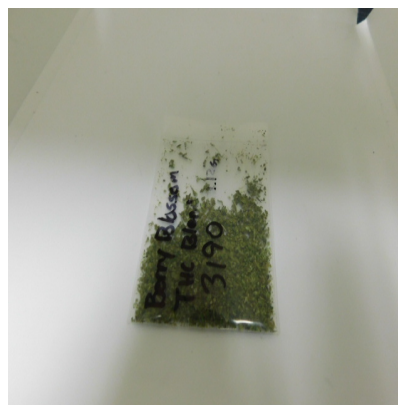
Order Type: CBD	Customer ID: 32	Harvest/Extract Lot: None
Order ID: OR2019-930	Customer Name: CBD Plus USA	Harvest/Extract Batch: None
Cultivar (Strain): Berry Blossom THC Blend	Lab ID: SA2019-3190	Sample Matrix: Flower
Sample Date: 04/02/2019	Date Received: 04/02/2019	Date Completed: 04/05/2019

Remarks:

TERPENOID PROFILE

Analysis Date/Time: 04/03/2019 1121	Method: HS/GC/FID (Internal Method-002)	Deviations from SOP:
Analyst: OL	Instrument: Agilent 6890	None

<u>Terpene</u>	<u>Result (µg/g)</u>	<u>Distribution (% total terpenes)</u>
α-Bisabolol	32	1
Camphene	-	-
δ-3-Carene	-	-
β-Caryophyllene	813	25.3
Caryophyllene oxide	27	0.831
p-Cymene	-	-
Eucalyptol	16	0.495
Geraniol	-	-
Guaiol	19	0.607
α-Humulene	350	10.9
Isopulegol	19	0.578
d-Limonene	204	6.37
Linalool	88	2.76
β-Myrcene	827	25.8
cis-Nerolidol	384	12
trans-Nerolidol	19	0.594
α-Ocimene	-	-
β-Ocimene	87	2.72
α-Pinene	212	6.59
β-Pinene	111	3.47
α-Terpinene	-	-
γ-Terpinene	-	-
Terpinolene	-	-
TOTAL	3209	100



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

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"-" Not detected above RL.

Reporting Limit (µg/g): 11.6

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