

CERTIFICATE OF ANALYSIS

Project: CBD **Customer ID:** 54755766 **Harvest/Extract Lot:**
Order ID: 2019000601 **Customer Name:** CBD Plus USA **Harvest/Extract Date:**
Cultivar (Strain): Squib Blue Rasp **Lab ID:** 2019002088 **Sample Matrix:** Edible
Sample Date: 03/04/2019 **Date Received:** 03/04/2019 **Date Completed:** 03/07/2019

Remarks:

Analysis Date/Time: 03-06-2019 0055
Analyst: KWF

Method: HPLC/UV
Instrument: Agilent 1100

Moisture Content (%): -
Water Activity (aw): - at - °C

<u>Cannabinoid</u>	<u>Result</u> (%)	<u>Result</u> (mg/g)	<u>Reporting Limit</u> (mg/g)	<u>Per Unit</u> (mg)
CBD	0.589	5.89	0.005	112
CBDa	<RL	<RL	0.005	-
CBDv	<RL	<RL	0.005	-
Δ9-THC	0.0254	0.254	0.005	4.82
Δ8-THC	<RL	<RL	0.005	-
THCa	<RL	<RL	0.005	-
CBC	0.0564	0.564	0.005	10.7
CBG	0.0115	0.115	0.005	2.19
CBGa	<RL	<RL	0.005	-
CBN	<RL	<RL	0.005	-
TOTAL	0.682	6.82		130
TOTAL THC	0.0254	0.254		4.82
TOTAL CBD	0.589	5.89		112



UNIT MASS (g): 19.0

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.

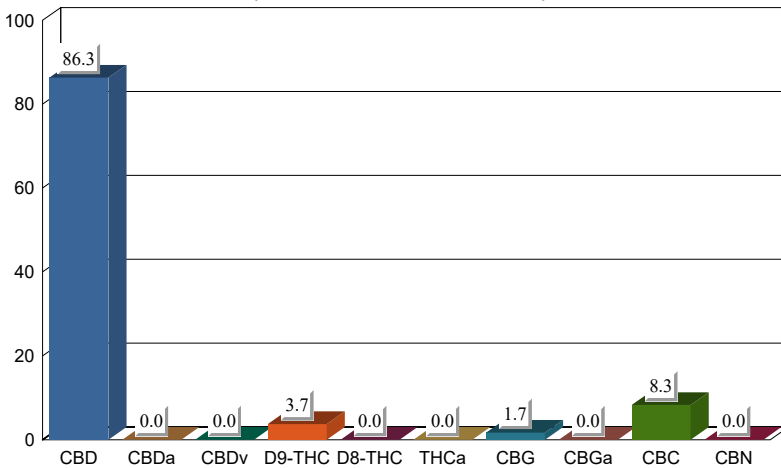
Total THC = (THCa x 0.877) + Δ9-THC
 Total CBD = (CBDa x 0.877) + CBD

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

Cannabinoid Distribution

(% of Total Cannabinoids)



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 ID: 2019000601

Customer ID: 54755766
Customer Name: CBD Plus USA

Harvest/Extract Lot:
Harvest/Extract Date:

Cultivar (Strain): Squib Blue Rasp
Sample Date: 03/04/2019

Lab ID: 2019002088
Date Received: 03/04/2019

Sample Matrix: Edible
Date Completed: 03/07/2019

Remarks:

TERPENOID PROFILE

Analysis Date/Time: 03-05-2019 1830
Analyst: KWF

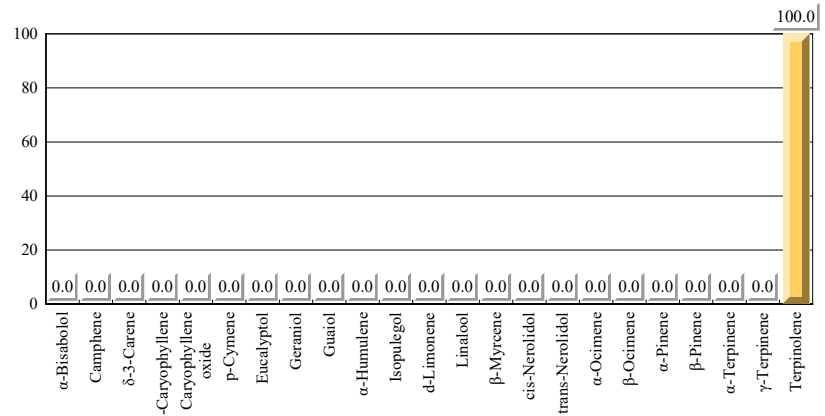
Method: HS/GC/MS (Internal Method-002)
Instrument: Agilent 7890/5975

Deviations from SOP:
 None

<u>Terpene</u>	<u>Result</u> ($\mu\text{g/g}$)	<u>Result</u> (%, total terpenes)
α -Bisabolol	-	-
Camphene	-	-
δ -3-Carene	-	-
β -Caryophyllene	-	-
Caryophyllene oxide	-	-
p-Cymene	-	-
Eucalyptol	-	-
Geraniol	-	-
Guaiol	-	-
α -Humulene	-	-
Isopulegol	-	-
d-Limonene	-	-
Linalool	-	-
β -Myrcene	-	-
cis-Nerolidol	-	-
trans-Nerolidol	-	-
α -Ocimene	-	-
β -Ocimene	-	-
α -Pinene	-	-
β -Pinene	-	-
α -Terpinene	-	-
γ -Terpinene	-	-
Terpinolene	389	100
TOTAL	389	100



Terpenoid Distribution
 (% of Total Terpenes)



Reporting Limit ($\mu\text{g/g}$) 8

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

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