

CERTIFICATE OF ANALYSIS

Order Type: Industrial Hemp
Order ID: OR2020-6665

Customer ID: 32
Customer Name: CBD Plus USA

Harvest/Extract Lot: None
Harvest/Extract Batch: SS11.25.19

Cultivar (Strain): Sweet Sweet
Sample Date: 01/20/2020

Lab ID: SA2020-21058
Date Received: 01/20/2020

Sample Matrix: Industrial Hemp
Date Completed: 01/25/2020

Remarks:

CANNABINOID (POTENCY) PROFILE

Analysis Date/Time: 01/20/2020 1150
Analyst: OL

Method: HPLC/DAD
Instrument: Agilent 1100

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

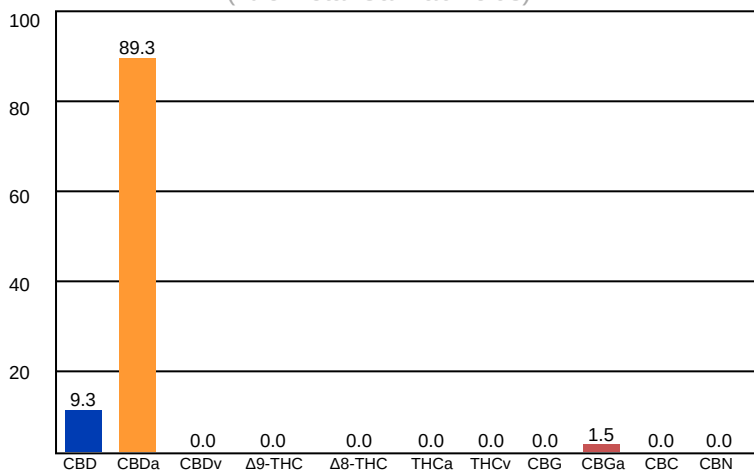
| Cannabinoid | Result (%) | Result (mg/g) | Reporting Limit (mg/g) | Result (mg/mL) | Per Unit (mg) |
|------------------|-------------|---------------|------------------------|----------------|---------------|
| CBD | 0.616 | 6.16 | 0.0503 | - | 6 |
| CBDa | 5.94 | 59.4 | 0.0503 | - | 59 |
| CBDv | - | - | 0.0503 | - | - |
| Δ9-THC | - | - | 0.0503 | - | - |
| Δ8-THC | - | - | 0.0503 | - | - |
| THCa | - | - | 0.0503 | - | - |
| THCv | - | - | 0.0503 | - | - |
| CBC | - | - | 0.0503 | - | - |
| CBG | - | - | 0.0503 | - | - |
| CBGa | 0.098 | 0.98 | 0.0503 | - | 0.98 |
| CBN | - | - | 0.0503 | - | - |
| TOTAL | 6.65 | 67 | | | 67 |
| TOTAL THC | - | - | | | - |
| TOTAL CBD | 5.82 | 58 | | | 58 |



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: 01/20/2020 1150
Analyst: OL

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

Deviations from SOP:
None

| Terpene | Result (µg/g) | Result (%) | |
|---------------------|---------------|--------------|---|
| α-Bisabolol | 713 | 0.0713 | ■ |
| Camphene | 16 | 0.00161 | |
| δ-3-Carene | - | - | |
| β-Caryophyllene | 1258 | 0.126 | ■ |
| Caryophyllene oxide | - | - | |
| p-Cymene | - | - | |
| Eucalyptol | - | - | |
| Geraniol | - | - | |
| Guaiol | 1283 | 0.128 | ■ |
| α-Humulene | 426 | 0.0426 | ■ |
| Isopulegol | - | - | |
| d-Limonene | 658 | 0.0658 | ■ |
| Linalool | 194 | 0.0194 | ■ |
| β-Myrcene | 674 | 0.0674 | ■ |
| cis-Nerolidol | - | - | |
| trans-Nerolidol | - | - | |
| α-Ocimene | - | - | |
| β-Ocimene | - | - | |
| α-Pinene | 71 | 0.0071 | |
| β-Pinene | 67 | 0.00666 | |
| α-Terpinene | - | - | |
| γ-Terpinene | - | - | |
| Terpinolene | - | - | |
| TOTAL | 5361 | 0.536 | |



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

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Reporting Limit (µg/g): 2.01

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