

**CERTIFICATE OF ANALYSIS**

<b>Project:</b> CBD	<b>Customer ID:</b> 86807921	<b>Harvest/Extract Lot:</b>
<b>Order ID:</b> 2018000450	<b>Customer Name:</b> Can-Tek	<b>CTK-120318-01</b>
<b>Cultivar (Strain):</b> Blue Dream Sauce	<b>Lab ID:</b> 2018001154	<b>Sample Matrix:</b> Concentrate
<b>Sample Date:</b> 12/13/2018	<b>Date Received:</b> 12/13/2018	<b>Date Completed:</b> 12/17/2018

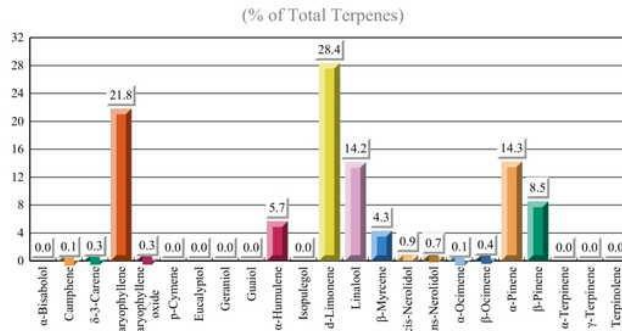
**TERPENOID PROFILE**

**Analysis Date/Time:** 12-14-2018 1345      **Method:** HS/GC/MS (Internal Method-002)      **Deviations from SOP:**  
**Analyst:** KWF      **Instrument:** Agilent 7890/5975      **None**

<u>Terpene</u>	<u>Result</u> <u>(µg/g)</u>	<u>Result</u> <u>(%, total terpenes)</u>
α-Bisabolol	-	-
Camphene	38.9	0.139
δ-3-Carene	73.8	0.263
β-Caryophyllene	6126	21.8
Caryophyllene oxide	87.6	0.312
p-Cymene	-	-
Eucalyptol	-	-
Geraniol	-	-
Guaiol	-	-
α-Humulene	1603	5.72
Isopulegol	-	-
d-Limonene	7958	28.4
Linalool	3975	14.2
β-Myrcene	1212	4.32
cis-Nerolidol	245	0.872
trans-Nerolidol	182	0.651
α-Ocimene	32.8	0.117
β-Ocimene	108	0.386
α-Pinene	4002	14.3
β-Pinene	2398	8.55
α-Terpinene	-	-
γ-Terpinene	-	-
Terpinolene	-	-
<b>TOTAL</b>	<b>28042</b>	<b>100</b>



**Terpenoid Distribution**



**Reporting Limit (µg/g) 6**

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

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.

"-" not detected above reporting limit

*Kyle W. Felling*  
Kyle W. Felling, Ph.D.  
Laboratory Director

**REPORT OF LABORATORY ANALYSIS**  
This report shall not be reproduced, except in full, without the written consent of  
Felling Analytical Services and Technology (F.A.S.T.), LLC

Page 1 of 1  
12/17/2018

**CERTIFICATE OF ANALYSIS**

**Project:** CBD  
**Order ID:** 2018000450

**Customer ID:** 86807921  
**Customer Name:** Can-Tek

**Harvest/Extract Lot:**  
CTK-120318-01

**Cultivar (Strain):** Blue Dream Sauce  
**Sample Date:** 12/13/2018

**Lab ID:** 2018001154  
**Date Received:** 12/13/2018

**Sample Matrix:** Concentrate  
**Date Completed:** 12/17/2018

**Remarks:**

**Analysis Date/Time:** 12-15-2018 2008  
**Analyst:** KWF

**Method:** HPLC/UV  
**Instrument:** Agilent 1100

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

<u>Cannabinoid</u>	<u>Result (%)</u>	<u>Result (mg/g)</u>	<u>Reporting Limit (mg/g)</u>	<u>Per Unit (mg)</u>
CBD	70.5	705	0.100	705
CBDa	<RL	<RL	0.100	-
CBDv	<RL	<RL	0.100	-
Δ9-THC	<RL	<RL	0.100	-
Δ8-THC	<RL	<RL	0.100	-
THCa	<RL	<RL	0.100	-
CBC	<RL	<RL	0.100	-
CBG	2.02	20.2	0.100	20.2
CBGa	<RL	<RL	0.100	-
CBN	<RL	<RL	0.100	-
<b>TOTAL</b>	<b>72.5</b>	<b>725</b>		



**UNIT MASS (g):** 1.00

**TOTAL THC** <RL <RL -  
**TOTAL CBD** 70.5 705 705

*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

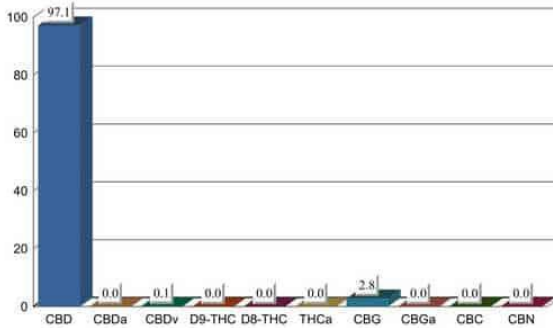
Values for plant matter are adjusted for moisture content.

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.

*Kyle W. Felling*  
Kyle W. Felling, Ph.D.  
Laboratory Director

**REPORT OF LABORATORY ANALYSIS**  
This report shall not be reproduced, except in full, without the written consent of Felling Analytical Services and Technology (F.A.S.T.), LLC  
[www.FASTLaboratories.com](http://www.FASTLaboratories.com)

Page 1 of 1  
12/17/2018

Any questions, please contact [info@creamcityhemp.com](mailto:info@creamcityhemp.com)

