



**CERTIFICATE OF ANALYSIS**

<b>Project:</b> CBD	<b>Customer ID:</b> 54755766	<b>Harvest/Extract Lot:</b>
<b>Order ID:</b> 2019000419	<b>Customer Name:</b> CBD Plus USA	Trofs1000021819
<b>Cultivar (Strain):</b> FS Tropical (Black)	<b>Lab ID:</b> 2019001696	<b>Sample Matrix:</b> Oil/Tincture
<b>Sample Date:</b> 02/21/2019	<b>Date Received:</b> 02/21/2019	<b>Date Completed:</b> 02/21/2019

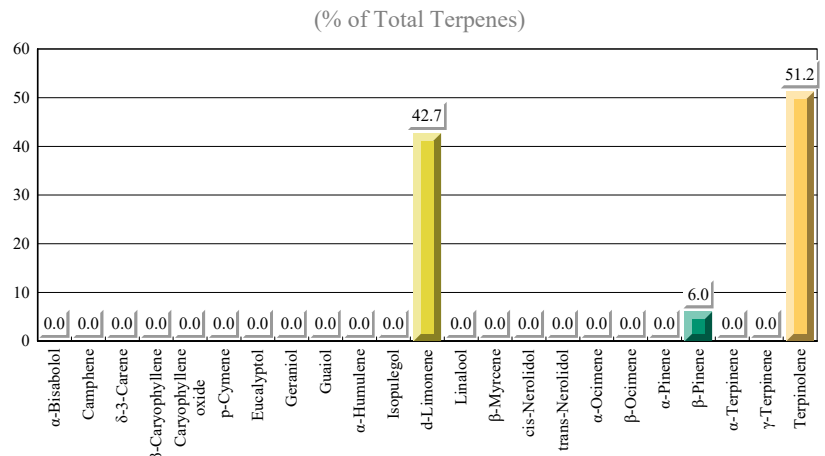
**TERPENOID PROFILE**

**Analysis Date/Time:** 02-21-2019 1153      **Method:** HS/GC/MS (Internal Method-002)      **Deviations from SOP:** None  
**Analyst:** KWF      **Instrument:** Agilent 7890/5975

<u>Terpene</u>	<u>Result</u> ( $\mu\text{g/g}$ )	<u>Result</u> (%, total terpenes)
$\alpha$ -Bisabolol	-	-
Camphene	-	-
$\delta$ -3-Carene	-	-
$\beta$ -Caryophyllene	-	-
Caryophyllene oxide	-	-
p-Cymene	-	-
Eucalyptol	-	-
Geraniol	-	-
Guaiol	-	-
$\alpha$ -Humulene	-	-
Isopulegol	-	-
d-Limonene	193	42.7
Linalool	-	-
$\beta$ -Myrcene	-	-
cis-Nerolidol	-	-
trans-Nerolidol	-	-
$\alpha$ -Ocimene	-	-
$\beta$ -Ocimene	-	-
$\alpha$ -Pinene	-	-
$\beta$ -Pinene	27.2	6.04
$\alpha$ -Terpinene	-	-
$\gamma$ -Terpinene	-	-
Terpinolene	231	51.2
<b>TOTAL</b>	<b>451</b>	<b>100</b>



**Terpenoid Distribution**



**Reporting Limit ( $\mu\text{g/g}$ )**      **12**

*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**  
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