

# Charlotte's Web

 SAMPLE TYPE  
**Essential Oil**

 RECEIVED **07/31/18**  
 REPORTED **08/21/18**

 CUSTOMER  
 Eybna Technologies

 STEEP HILL ID  
**BK56238**

 BATCH ID  
**6-10-0010**

 DENSITY **0.86 g/mL**

TEST NAME

## Extended Terpenes

 METHOD NAME  
 SOP-024

Terpene	mg/mL	%	mg/g	LOD mg/g	LOQ mg/g
$\alpha$ -Bisabolol	<b>14.3</b>	<b>1.67</b>	<b>16.7</b>	0.00020	0.00048
endo-Borneol	< LOQ			0.00020	0.00047
Camphene	< LOQ			0.00020	0.00048
Camphor	ND	ND	ND	0.00020	0.00048
3-Carene	ND	ND	ND	0.00020	0.00047
Caryophyllene Oxide	< LOQ			0.00020	0.00049
$\beta$ -Caryophyllene	<b>62</b>	<b>7.2</b>	<b>72</b>	0.00020	0.00047
$\alpha$ -Cedrene	ND	ND	ND	0.00020	0.00048
Cedrol	ND	ND	ND	0.00020	0.00048
Citronellol	ND	ND	ND	0.00020	0.00048
Eucalyptol	ND	ND	ND	0.00020	0.00049
$\alpha$ -Farnesene	ND	ND	ND	0.000100	0.00029
$\beta$ -Farnesene	ND	ND	ND	0.000100	0.00039
Fenchol	<b>7.4</b>	<b>0.86</b>	<b>8.6</b>	0.00020	0.00048
Fenchone	ND	ND	ND	0.00020	0.00048

ND - Not Detected  
 < LOQ - Below Limit of Quantitation

LOD - Limit of Detection  
 LOQ - Limit of Quantitation

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Terpene	mg/mL	%	mg/g	LOD mg/g	LOQ mg/g
Geraniol	ND	ND	ND	0.00020	0.00047
Geranyl Acetate	ND	ND	ND	0.00020	0.00048
Guaiol	ND	ND	ND	0.00030	0.00098
$\alpha$ -Humulene	<b>26</b>	<b>3.0</b>	<b>30.</b>	0.00020	0.00048
Isoborneol	ND	ND	ND	0.00020	0.00048
Isopulegol	ND	ND	ND	0.00020	0.00049
Limonene	<b>31</b>	<b>3.7</b>	<b>37</b>	0.00020	0.00048
Linalool	< LOQ			0.00020	0.00047
Menthol	ND	ND	ND	0.00020	0.00048
$\beta$ -Myrcene	<b>460</b>	<b>53</b>	<b>530</b>	0.00020	0.00049
Nerol	ND	ND	ND	0.00020	0.00049
cis-Nerolidol	ND	ND	ND	0.00020	0.00047
trans-Nerolidol	<b>2.1</b>	<b>0.25</b>	<b>2.5</b>	0.000030	0.000090
cis- $\beta$ -Ocimene	ND	ND	ND	0.000100	0.00036
trans- $\beta$ -Ocimene	ND	ND	ND	0.000040	0.000130
$\alpha$ -Phellandrene	ND	ND	ND	0.00020	0.00049
Phytol 1	ND	ND	ND	0.000100	0.00030
Phytol 2	ND	ND	ND	0.000100	0.00032
$\alpha$ -Pinene	<b>114</b>	<b>13.2</b>	<b>132</b>	0.00020	0.00048
$\beta$ -Pinene	<b>43</b>	<b>5.1</b>	<b>51</b>	0.00020	0.00048
Pulegone	ND	ND	ND	0.00020	0.00048
Sabinene	ND	ND	ND	0.000030	0.000090
Sabinene Hydrate	ND	ND	ND	0.000030	0.000090
$\alpha$ -Terpinene	ND	ND	ND	0.00020	0.00048
$\gamma$ -Terpinene	ND	ND	ND	0.00020	0.00048

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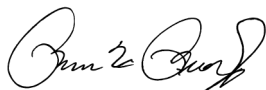
SOP-024

Terpene	mg/mL	%	mg/g	LOD mg/g	LOQ mg/g
$\alpha$ -Terpineol	< LOQ			0.00020	0.00047
Terpinolene	ND	ND	ND	0.00020	0.00047
Valencene	ND	ND	ND	0.00020	0.00049
<b>Total Measured</b>	<b>760</b>	<b>88</b>	<b>880</b>		

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CERTIFICATION



**BRIAN BRANDLEY PH.D**  
CHIEF OF LAB OPERATIONS

CERTIFICATE #: BK56238-10  
REVISION: TRP-001 Rev. 3.

*This certificate is issued in accordance with Steep Hill standard operating procedure SOP-024. The above results relate only to the samples tested and for the specific tests conducted. Steep Hill grants permission to reproduce this document in full only.*