

Tangie

 SAMPLE TYPE
Essential Oil

 RECEIVED **07/31/18**
 REPORTED **08/06/18**

 CUSTOMER
 Eybna Technologies

 STEEP HILL ID
BK56236

 BATCH ID
6-16-0010

 DENSITY **0.89 g/mL**

TEST NAME

Extended Terpenes

 METHOD NAME
 SOP-024

Terpene	mg/mL	%	mg/g	LOD mg/g	LOQ mg/g
α -Bisabolol	ND	ND	ND	0.00020	0.00048
endo-Borneol	1.95	0.22	2.2	0.00020	0.00047
Camphene	2.9	0.32	3.2	0.00020	0.00048
Camphor	ND	ND	ND	0.00020	0.00048
3-Carene	ND	ND	ND	0.00020	0.00047
Caryophyllene Oxide	3.0	0.34	3.4	0.00020	0.00049
β -Caryophyllene	142	16.0	160.	0.00020	0.00047
α -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
α -Farnesene	ND	ND	ND	0.000100	0.00029
β -Farnesene	ND	ND	ND	0.000100	0.00039
Fenchol	4.1	0.47	4.7	0.00020	0.00048
Fenchone	ND	ND	ND	0.00020	0.00048

ND - Not Detected
*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
α -Humulene	61	6.9	69	0.00020	0.00048
Isoborneol	ND	ND	ND	0.00020	0.00048
Isopulegol	ND	ND	ND	0.00020	0.00049
D-Limonene	29	3.3	33	0.00020	0.00048
Linalool	13.2	1.48	14.8	0.00020	0.00047
Menthol	ND	ND	ND	0.00020	0.00048
β -Myrcene	380	43	430	0.00020	0.00049
Nerol	ND	ND	ND	0.00020	0.00049
cis-Nerolidol	ND	ND	ND	0.00020	0.00047
trans-Nerolidol	2.4	0.28	2.8	0.000030	0.000090
cis- β -Ocimene	ND	ND	ND	0.000100	0.00036
trans- β -Ocimene	ND	ND	ND	0.000040	0.000130
α -Phellandrene	ND	ND	ND	0.00020	0.00049
Phytol 1	ND	ND	ND	0.000100	0.00030
Phytol 2	3.7	0.42	4.2	0.000100	0.00032
α -Pinene	81	9.2	92	0.00020	0.00048
β -Pinene	38	4.3	43	0.00020	0.00048
Pulegone	ND	ND	ND	0.00020	0.00048
Sabinene	< LOQ			0.000030	0.000090
Sabinene Hydrate	ND	ND	ND	0.000030	0.000090
α -Terpinene	ND	ND	ND	0.00020	0.00048
γ -Terpinene	ND	ND	ND	0.00020	0.00048

ND - Not Detected
 < LOQ - Below Limit of Quantitation

LOD - Limit of Detection
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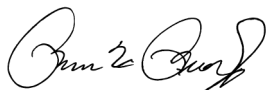
SOP-024

Terpene	mg/mL	%	mg/g	LOD mg/g	LOQ mg/g
α -Terpineol	< LOQ			0.00020	0.00047
Terpinolene	ND	ND	ND	0.00020	0.00047
Valencene	ND	ND	ND	0.00020	0.00049
Total Measured	762	86	862		

ND - Not Detected
< LOQ - Below Limit of Quantitation

LOD - Limit of Detection
LOQ - Limit of Quantitation

CERTIFICATION



BRIAN BRANDLEY PH.D
CHIEF OF LAB OPERATIONS

CERTIFICATE #: BK56236-6

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.