

Pineapple Express

 SAMPLE TYPE
Essential Oil

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

 CUSTOMER
 Eybna Technologies

 STEEP HILL ID
BK56237

 BATCH ID
6-11-0010

 DENSITY **0.88 g/mL**

TEST NAME

Extended Terpenes

 METHOD NAME
 SOP-024

Terpene	mg/mL	%	mg/g	LOD mg/g	LOQ mg/g
α -Bisabolol	47	5.3	53	0.00020	0.00048
endo-Borneol	11.5	1.31	13.1	0.00020	0.00047
Camphene	9.6	1.09	10.9	0.00020	0.00048
Camphor	ND	ND	ND	0.00020	0.00048
3-Carene	ND	ND	ND	0.00020	0.00047
Caryophyllene Oxide	1.78	0.20	2.0	0.00020	0.00049
β -Caryophyllene	270	31	310	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	19.8	2.2	22	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	7.2	0.81	8.1	0.00020	0.00047
Geranyl Acetate	12.8	1.45	14.5	0.00020	0.00048
Guaiol	ND	ND	ND	0.00030	0.00098
α -Humulene	134	15.2	152	0.00020	0.00048
Isoborneol	ND	ND	ND	0.00020	0.00048
Isopulegol	ND	ND	ND	0.00020	0.00049
D-Limonene	67	7.6	76	0.00020	0.00048
Linalool	95	10.8	108	0.00020	0.00047
Menthol	ND	ND	ND	0.00020	0.00048
β -Myrcene	103	11.7	117	0.00020	0.00049
Nerol	ND	ND	ND	0.00020	0.00049
cis-Nerolidol	ND	ND	ND	0.00020	0.00047
trans-Nerolidol	16.4	1.86	18.6	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	2.3	0.26	2.6	0.000100	0.00030
Phytol 2	11.4	1.29	12.9	0.000100	0.00032
α -Pinene	19.6	2.2	22	0.00020	0.00048
β -Pinene	32	3.6	36	0.00020	0.00048
Pulegone	ND	ND	ND	0.00020	0.00048
Sabinene	0.32	0.037	0.37	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

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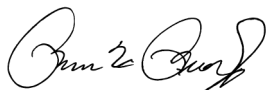
SOP-024

Terpene	mg/mL	%	mg/g	LOD mg/g	LOQ mg/g
α -Terpineol	15.3	1.73	17.3	0.00020	0.00047
Terpinolene	4.9	0.55	5.5	0.00020	0.00047
Valencene	ND	ND	ND	0.00020	0.00049
Total Measured	881	100	1002		

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CERTIFICATION



BRIAN BRANDLEY PH.D
CHIEF OF LAB OPERATIONS

CERTIFICATE #: BK56237-5

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.