

# Trainwreck

 SAMPLE TYPE  
**Essential Oil**

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

 CUSTOMER  
 Eybna Technologies

 STEEP HILL ID  
**BK56245**

 BATCH ID  
**6-15-0010**

 DENSITY **0.90 g/mL**

TEST NAME

**Extended Terpenes**

METHOD NAME

SOP-024

| Terpene                | mg/mL       | %           | mg/g        | LOD<br>mg/g | LOQ<br>mg/g |
|------------------------|-------------|-------------|-------------|-------------|-------------|
| $\alpha$ -Bisabolol    | <b>10.8</b> | <b>1.21</b> | <b>12.1</b> | 0.00020     | 0.00048     |
| endo-Borneol           | ND          | ND          | ND          | 0.00020     | 0.00047     |
| Camphene               | <b>2.2</b>  | <b>0.25</b> | <b>2.5</b>  | 0.00020     | 0.00048     |
| Camphor                | ND          | ND          | ND          | 0.00020     | 0.00048     |
| 3-Carene               | <b>3.4</b>  | <b>0.38</b> | <b>3.8</b>  | 0.00020     | 0.00047     |
| Caryophyllene Oxide    | <b>3.3</b>  | <b>0.37</b> | <b>3.7</b>  | 0.00020     | 0.00049     |
| $\beta$ -Caryophyllene | <b>77</b>   | <b>8.5</b>  | <b>85</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                | ND          | ND          | ND          | 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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TEST NAME

**Extended Terpenes**

METHOD NAME

SOP-024

| Terpene                 | mg/mL       | %            | mg/g        | LOD<br>mg/g | LOQ<br>mg/g |
|-------------------------|-------------|--------------|-------------|-------------|-------------|
| Geraniol                | < LOQ       |              |             | 0.00020     | 0.00047     |
| Geranyl Acetate         | <b>1.75</b> | <b>0.195</b> | <b>1.95</b> | 0.00020     | 0.00048     |
| Guaiol                  | ND          | ND           | ND          | 0.00030     | 0.00098     |
| $\alpha$ -Humulene      | <b>36</b>   | <b>4.0</b>   | <b>40.</b>  | 0.00020     | 0.00048     |
| Isoborneol              | ND          | ND           | ND          | 0.00020     | 0.00048     |
| Isopulegol              | ND          | ND           | ND          | 0.00020     | 0.00049     |
| D-Limonene              | <b>51</b>   | <b>5.7</b>   | <b>57</b>   | 0.00020     | 0.00048     |
| Linalool                | <b>5.6</b>  | <b>0.62</b>  | <b>6.2</b>  | 0.00020     | 0.00047     |
| Menthol                 | ND          | ND           | ND          | 0.00020     | 0.00048     |
| $\beta$ -Myrcene        | <b>240</b>  | <b>27</b>    | <b>270</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>1.36</b> | <b>0.152</b> | <b>1.52</b> | 0.000030    | 0.000090    |
| cis- $\beta$ -Ocimene   | ND          | ND           | ND          | 0.000100    | 0.00036     |
| trans- $\beta$ -Ocimene | <b>38</b>   | <b>4.2</b>   | <b>42</b>   | 0.000040    | 0.000130    |
| $\alpha$ -Phellandrene  | <b>4.8</b>  | <b>0.54</b>  | <b>5.4</b>  | 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>69</b>   | <b>7.7</b>   | <b>77</b>   | 0.00020     | 0.00048     |
| $\beta$ -Pinene         | <b>25</b>   | <b>2.8</b>   | <b>28</b>   | 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    |
| $\alpha$ -Terpinene     | <b>2.3</b>  | <b>0.26</b>  | <b>2.6</b>  | 0.00020     | 0.00048     |
| $\gamma$ -Terpinene     | < LOQ       |              |             | 0.00020     | 0.00048     |

ND - Not Detected  
 < LOQ - Below Limit of Quantitation

LOD - Limit of Detection  
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TEST NAME

**Extended Terpenes**

METHOD NAME

SOP-024

| Terpene               | mg/mL      | %         | mg/g       | LOD<br>mg/g | LOQ<br>mg/g |
|-----------------------|------------|-----------|------------|-------------|-------------|
| $\alpha$ -Terpineol   | 2.5        | 0.28      | 2.8        | 0.00020     | 0.00047     |
| Terpinolene           | 70.        | 7.8       | 78         | 0.00020     | 0.00047     |
| Valencene             | ND         | ND        | ND         | 0.00020     | 0.00049     |
| <b>Total Measured</b> | <b>644</b> | <b>72</b> | <b>720</b> |             |             |

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LOQ - Limit of Quantitation

CERTIFICATION



BRIAN BRANDLEY PH.D  
CHIEF OF LAB OPERATIONS

CERTIFICATE #: BK56245-6

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.*