

Customer: Appalachian Standard LLC  
 Customer Sample ID: Hawaiian Haze (RFGH)  
 Laboratory Number: 19J0414-08



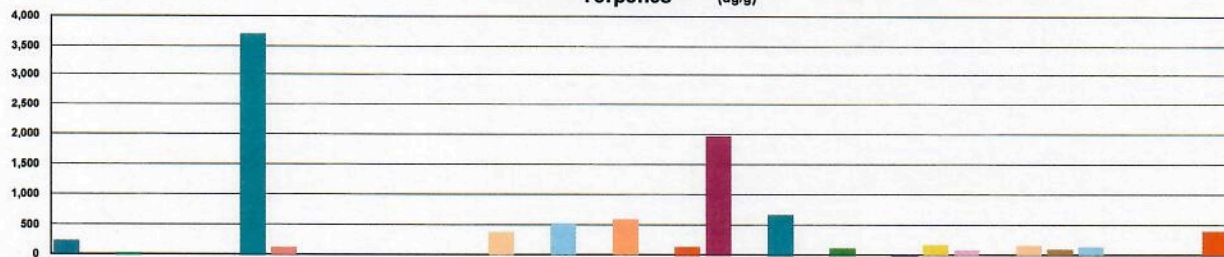
## Terpene Profile

Extraction Technician: DF  
 Analytical Chemist: GB

Extraction Date(s)	Analysis Date(s)
10/18/2019	10/22/2019

Terpene	Results	Terpene	Results
	ug/g		ug/g
alpha-Pinene	229	Isoborneol	
Camphene		Hexahydrothymol	
Sabinene		(+)-Borneol and (-)-Borneol	
beta-Pinene and beta-Myrcene	3700	alpha-Terpineol	122
p-Mentha-1,5-diene		gamma-Terpineol	
(1S)-(+)-3-Carene		Nerol	
alpha-Terpinene		Geraniol	
Ocimene Peak 1	380	(+)-Pulegone	
(R) - (+)-Limonene	531	Geranyl Acetate	
Ocimene Peak 2	592	alpha-Cedrene	
Eucalyptol (1,8-Cineole)	134	trans-Caryophyllene	1960
gamma-Terpinene		alpha-Humulene	668
Sabinene Hydrate		Valencene	104
Terpinolene		cis-Nerolidol	
Linalool	175	trans-Nerolidol	76.7
(+)-Fenchone and L(-)-Fenchone		Guaiol	164
(1R)-Endo-(+)-Fenchyl	83.8	(-)-Caryophyllene Oxide	142
(-)-Isopulegol		(+)-Cedrol	
Camphor and (1S)-(-)-Camphor		(-)-alpha-Bisabolol (Levomenol)	388

Terpenes (ug/g)



- |   |   |  |  |
|---|---|--|--|
| <span style="color: blue;">■</span> alpha-Pinene                    | <span style="color: orange;">■</span> Eucalyptol (1,8-Cineole)          | <span style="color: yellow;">■</span> Hexahydrothymol                  | <span style="color: teal;">■</span> alpha-Humulene                 |
| <span style="color: green;">■</span> Camphene                       | <span style="color: lightblue;">■</span> gamma-Terpinene                | <span style="color: lightorange;">■</span> (+)-Borneol and (-)-Borneol | <span style="color: darkgreen;">■</span> Valencene                 |
| <span style="color: red;">■</span> Sabinene                         | <span style="color: pink;">■</span> Sabinene Hydrate                    | <span style="color: lightgreen;">■</span> alpha-Terpineol              | <span style="color: purple;">■</span> cis-Nerolidol                |
| <span style="color: darkred;">■</span> beta-Pinene and beta-Myrcene | <span style="color: lightpink;">■</span> Terpinolene                    | <span style="color: lightpurple;">■</span> gamma-Terpineol             | <span style="color: lightblue;">■</span> trans-Nerolidol           |
| <span style="color: darkgreen;">■</span> p-Mentha-1,5-diene         | <span style="color: yellow;">■</span> Linalool                          | <span style="color: yellow;">■</span> Nerol                            | <span style="color: orange;">■</span> Guaiol                       |
| <span style="color: purple;">■</span> (1S)-(+)-3-Carene             | <span style="color: lightblue;">■</span> (+)-Fenchone and L(-)-Fenchone | <span style="color: lightblue;">■</span> Geraniol                      | <span style="color: lightorange;">■</span> (-)-Caryophyllene Oxide |
| <span style="color: pink;">■</span> alpha-Terpinene                 | <span style="color: brown;">■</span> (1R)-Endo-(+)-Fenchyl              | <span style="color: brown;">■</span> (+)-Pulegone                      | <span style="color: teal;">■</span> (+)-Cedrol                     |
| <span style="color: lightorange;">■</span> Ocimene Peak 1           | <span style="color: darkblue;">■</span> (-)-Isopulegol                  | <span style="color: darkblue;">■</span> Geranyl Acetate                | <span style="color: red;">■</span> (-)-alpha-Bisabolol (Levomenol) |
| <span style="color: lightblue;">■</span> (R) - (+)-Limonene         | <span style="color: green;">■</span> Camphor and (1S)-(-)-Camphor       | <span style="color: green;">■</span> alpha-Cedrene                     |  |
| <span style="color: orange;">■</span> Ocimene Peak 2                | <span style="color: lightorange;">■</span> Isoborneol                   | <span style="color: purple;">■</span> trans-Caryophyllene              |  |

Reporting limit is roughly 40 ug/g depending on amount extracted.