

Customer: Appalachian Standard LLC  
 Customer Sample ID: Abacus (RFGH)  
 Laboratory Number: 19J0414-09



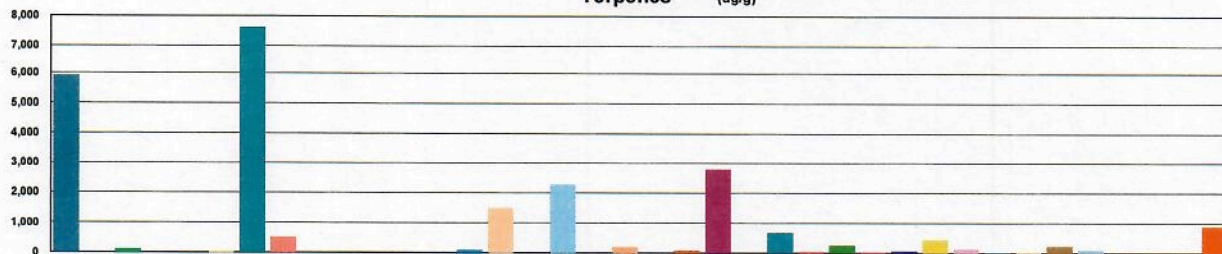
## Terpene Profile

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	5920	Isoborneol	
Camphene	120	Hexahydrothymol	
Sabinene		(+)-Borneol and (-)-Borneol	
beta-Pinene and beta-Myrcene	7620	alpha-Terpineol	507
p-Mentha-1,5-diene		gamma-Terpineol	
(1S)-(+)-3-Carene		Nerol	
alpha-Terpinene		Geraniol	101
Ocimene Peak 1	1500	(+)-Pulegone	
(R) - (+)-Limonene	2280	Geranyl Acetate	
Ocimene Peak 2	211	alpha-Cedrene	
Eucalyptol (1,8-Cineole)	83.7	trans-Caryophyllene	2800
gamma-Terpinene		alpha-Humulene	697
Sabinene Hydrate	66.0	Valencene	268
Terpinolene	25.8	cis-Nerolidol	69.0
Linalool	446	trans-Nerolidol	151
(+)-Fenchone and L(-)-Fenchone		Guaiol	21.2
(1R)-Endo-(+)-Fenchyl	246	(-)-Caryophyllene Oxide	112
(-)-Isopulegol		(+)-Cedrol	
Camphor and (1S)-(-)-Camphor		(-)-alpha-Bisabolol (Levomenol)	864

Terpenes (ug/g)



- |                              |                                |                             |                                 |
|------------------------------|--------------------------------|-----------------------------|---------------------------------|
| alpha-Pinene                 | Eucalyptol (1,8-Cineole)       | Hexahydrothymol             | alpha-Humulene                  |
| Camphene                     | gamma-Terpinene                | (+)-Borneol and (-)-Borneol | Valencene                       |
| Sabinene                     | Sabinene Hydrate               | alpha-Terpineol             | cis-Nerolidol                   |
| beta-Pinene and beta-Myrcene | Terpinolene                    | gamma-Terpineol             | trans-Nerolidol                 |
| p-Mentha-1,5-diene           | Linalool                       | Nerol                       | Guaiol                          |
| (1S)-(+)-3-Carene            | (+)-Fenchone and L(-)-Fenchone | Geraniol                    | (-)-Caryophyllene Oxide         |
| alpha-Terpinene              | (1R)-Endo-(+)-Fenchyl          | (+)-Pulegone                | (+)-Cedrol                      |
| Ocimene Peak 1               | (-)-Isopulegol                 | Geranyl Acetate             | (-)-alpha-Bisabolol (Levomenol) |
| (R) - (+)-Limonene           | Camphor and (1S)-(-)-Camphor   | alpha-Cedrene               |                                 |
| Ocimene Peak 2               | Isoborneol                     | trans-Caryophyllene         |                                 |

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