

TP: Terpenes Profile [WI-10-27]

Analyst: CA

Test Date: 7/9/2020

Client sample analysis was performed using full evaporative technique (FET) headspace sample delivery and gas chromatographic (GC) compound separation. A combination of flame ionization detection (FID) and/or mass spectrometric (MS) detection with mass spectral confirmation against the National Institute of Standards and Technology (NIST) Mass Spectral Database, Revision 2017 were used. Chromatographic and/or mass spectral data were processed by quantitatively comparing the analytical peak areas against calibration curves prepared from certified reference standards.

84006-TP

Compound	CAS	Conc. (wt%)	Conc. (ppm)	Qualitative Profile
alpha-pinene	80-56-8	0.135	1,350	
camphene	79-92-5	0.0029	29.0	
sabinene*	3387-41-5	ND	ND	
beta-myrcene	123-35-3	0.128	1,280	
beta-pinene	127-91-3	0.0408	408	
alpha-phellandrene	99-83-2	0.0016	16.4	
delta-3-carene	13466-78-9	0.0012	12.2	
alpha-terpinene	99-86-5	0.0012	12.3	
alpha-ocimene	502-99-8	0.0013	12.6	
D-limonene	138-86-3	0.0502	502	
p-cymene	99-87-6	<RL	<RL	
cis-beta-ocimene	3338-55-4	0.0189	189	
eucalyptol	470-82-6	0.0040	40.1	
gamma-terpinene	99-85-4	0.0018	18.4	
terpinolene	586-62-9	0.0123	123	
linalool	78-70-6	0.125	1,250	
L-fenchone*	7787-20-4	ND	ND	
isopulegol	89-79-2	ND	ND	
menthol*	89-78-1	ND	ND	
geraniol	106-24-1	0.0040	39.6	
beta-caryophyllene	87-44-5	0.445	4,450	
alpha-humulene	6753-98-6	0.112	1,120	
cis-nerolidol	3790-78-1	ND	ND	
trans-nerolidol	40716-66-3	ND	ND	
guaiol	489-86-1	ND	ND	
caryophyllene oxide	1139-30-6	0.0137	137	
alpha-bisabolol	23089-26-1	0.0600	600	

Total Terpene: 1.2 wt%

* Certified reference standard not available for this compound. Concentration is estimated using the response factor from alpha-pinene. ND = None Detected. RL = Reporting Limit of 5 ppm.

END OF REPORT