

Certificate of Analysis - Organic Vetiver Oil

Reference Name: Vetiver
CAS:
Botanical Species:

Component ID	Area %
alpha-amorphene	1.58%
beta-vetivenene	2.21%
cis-eudesma-6,11-diene	2.27%
khusimone	1.04%
zizanal	0.67%
khusinol	3.72%
Epizizanol / zizanol	13.20%
bicyclo-vetivenol	10.45%
beta-vetivone	2.68%
alpha-vetivone	3.63%

Class	Area %
Sesquiterpenes	16.56
Sesquiterpenols	74.08
Sesquiterpenones	9.08

Physical Constants	Value
Optical rotation (range: +20 to +40)	31.27
Refractive index (range: 1.515 - 1.530)	1.5228
Specific gravity (range: 0.983 - 1.022)	0.996

The composition of the sample corresponds to that expected for the natural essential oil of *Vetiveria zizanioides* of Haitian origin. Physical constants fall within acceptable ranges for the specified oil. No adulteration was detected. Odor quality is very good.