

# Certificate of analysis

GERANIUM ESSENTIAL OIL 100% pure and natural EGYPT

N° Reach 01-2120769423-50-XXXX

Certificate of analysis N° 040440

LOT N°0034954

Manufacturing date : 15/05/2023

Best Before : 14/05/2025

Odour : Conform

Appearance : Conform

Colour : Conform

## Physico-chemical properties

Specific gravity at 20°C = 0,895

Refractive index at 20°C = 1,468

Optical rotation at 20°C = -11,1°

## Analysis method :

Gas chromatography (GC/FID) area % according to normalization method (ISO 7609 and 11024)

## Gas Chromatographic analyse

Components	%
geranyl formiate	32.63
6.9-guaiadiene	7.19
menthone	5.94
geranyl butyrate	4.59
isomenthone	3.91
alpha-terpineol	1.62
beta-bourbonene	1.29
epi-gamma-eudesmol	1.13
rose oxide trans	0.94
geranyl tiglate	0.81
rose oxide cis	0.51
alpha-pinene	0.48
citronellyl formiate	0.32
citronellol	0.22
delta-cadinene	0.15
beta-caryophyllene	0.13
phenylethyl tiglate	0.13
limonene	0.11
linalool	0.05
geraniol	0.03