

Geranium Oil Analysis

Product:	Geranium Essential Oil
INCI Name:	Pelargonium Graveolens Oil
Country of Origin:	Egypt
Botanical part:	Flower/Leaf
Botanical Name:	Pelargonium graveolens L'Hér.
CAS Number:	90082-51-2

Characteristics:

Appearance:
Colour:
Odour:
Specific Gravity (gr/ml) @ 20°C:
Refractive Index @ 20°C:

Requirement

Clear liquid
Yellow to greenish-yellow
Rosy, minty
0.883 – 0.905
1.461 – 1.475

Result

Conforms
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0.887
1.465

GC/MS/FID Analysis (%):

1	Citronellol	35.55
2	Geraniol	16.95
3	Citronellyl Formiate	6.95
4	Isomenthone	5.70
5	Linalool	5.06
6	epi- γ -Eudesmol	2.87
7	Geranyl Formiate	2.82
8	Germacrene D	1.50
9	β - Caryophyllene	1.46
10	Menthone	1.41
11	Geranyl Butyrate	1.20
12	cis-Rose Oxide	1.14
13	Phenylethyl Tiglate	0.82
14	Geranyl Tiglate	0.76
15	α -Terpineol	0.52
16	trans-Rose Oxide	0.47
17	6.9 Guaiadiene	0.12