



TECHNICAL DATA SHEET

Geranium Egypt

Product name:

English name: Geranium Egypt Oil
Scientific name: Pelargonium Graveolens.

Product description:

Essential Oil
Provenance: EGYPT
Material source: overground parts of flowered plant.
Location: Beni Sweif city
Cultivation season: November - December
Harvest time: June-July
Used part of plant: Fresh herb
Producing method: Steam distillation for 1 h.
Yield: 20-35 Kgs./feddan

Manufacturing process:

Steam distillation

Identification numbers:

CAS No. 8000-46-2
FEMA 9125
No. FDA 182.2
Nbl-No. 330121

Sensory properties:

Appearance: Pale yellow to yellow & greenish yellow..
Odor: Have a characteristic odor resembling rose and geraneol..
Taste: Resemble to leaves of geranium plant taste.
Impurities: none.

Storage conditions, shelf life

Storage: In a dark, cool (Not more than 20°C), dry and ventilated area. Shelf life: 36 months in proper storage.

Chemical-physical properties:

Water content: None
Refractive index at 20°C: 1.464 – 1.472
Optical rotation: -8° to -14°
Density at 20°: 0.885 - 0.910
C: Sol. in 1:(1-4) and more is clear or
alc.70%: Acid hazy. Not more than 14

GC analysis:

Linalool: 4.5 – 8.5%
Citronellol: 27 – 35 %
Geraneol: 10- 19 %
10epi γ eudsmol: Not less than 4%