



GALILEO

ESSENTIAL OILS & MORE

GERANIUM

Specifications



General Specification

Product Name	Geranium Leaves (Steam Distilled – Egyptian – Galileo)
Botanical Name	Pelargonium Graveolens
Botanical Family	Geraniaceae
Description	Essential Oil Obtained from Leaves & flowering top of Pelargonium Graveolens
Status	Organic
Manufacturer	GMS TRADE
Harvest Season	Jun - Jul

Physical Specification

Parameter	Requirement	Test Method
Appearance	Light golden-yellow	Visual
Odor	Rich leafy – Green with sweet rosy undertones	Organoleptic
Taste	Rosy – Slightly minty – Earthy	Organoleptic
Solubility	Not dissolve in water – Mixes well with high-Proof alcohol	Visual
Optical Rotation	8° to 15° @ 20°C	Visual
Specific Gravity	0.885 – 0.905 @ 20°C	ASTM D4052
Refractive Index	1.459 – 1.477 @ 20°C	ASTM D1218

Chemical Specification

Primary Constituents	Citronellol, Citronellyl Formate, Geraniol	
Parameter	Requirement %	Test Method
Citronellol	25 – 41	GC-MS
Citronellyl Formate	5 – 12	GC-MS
Geraniol	15 – 25	GC-MS
Iso-Menthone	4 – 8	GC-MS
(±)-Menthone (Racemic Menthone)	0.5 – 2	GC-MS
Linalool	5 – 12	GC-MS
10-Epi-γ-Eudesmol	3 – 6	GC-MS
Geranyl Formate	1 – 5	GC-MS
β-bourbonene	< 1	GC-MS
Trans-Calamenene	< 1	GC-MS
α-pinene	< 1	GC-MS

Key Applications & Benefits

Property	Usage	Advantage
Primary Profile	Purifies air - Natural antibacterial Refreshes the mind - Boosts energy	Antidepressant properties Antibacterial & antimicrobial action
Skin Care Profile	Cosmetics - Creams - Toners	Astringent - Antimicrobial properties Soothing, balancing, anti-aging properties
Hair Care Profile	Natural remedies formulations	Helps combat bacteria & fungi

