



GALILEO

ESSENTIAL OILS & MORE

SAGE

Specifications



General Specification

Product Name	Sage Flowers (Steam Distilled – Egyptian – Galileo)
Botanical Name	Salvia Officinalis
Botanical Family	Lamiaceae
Description	Essential Oil Obtained from Leaves and Flowering Top of Salvia Officinalis
Status	Organic
Manufacturer	GMS TRADE
Harvest Season	Apr - Nov

Physical Specification

Parameter	Requirement	Test Method
Appearance	Pale yellow to clear	Visual
Odor	Herbaceous – camphoraceous – Earthy and slightly bitter	Organoleptic
Taste	Bitter – pungent – warming	Organoleptic
Solubility	Soluble in alcohol and fixed oils	Visual
Optical Rotation	-5° to +15° @ 20°C	Visual
Specific Gravity	0.890 – 0.908 @ 20°C	ASTM D4052
Specific Refractive	1.455 – 1.473 @ 20°C	ASTM D1218

Chemical Specification

Primary Constituents	α -Thujone, β -Thujone, Camphor	
Parameter	Requirement %	Test Method
α -Thujone	20 – 35	GC-MS
β -Thujone	1 – 5	GC-MS
Camphor	10 – 25	GC-MS
1,8- Cineole (Eucalyptol) 1,8 C	5 – 15	GC-MS
β - Caryophyllene	1 – 10	GC-MS
α -caryophyllene Alpha – Humulene	1.8 – 3.6	GC-MS
caryophyllene Oxide	0.1 – 2	GC-MS
Viridiflorol	0.5 – 5	GC-MS
Bornyl Acetate	0.0 – 3.3	GC-MS
Manool	0.0 – 3.8	GC-MS

Key Applications & Benefits

Property	Usage	Advantage
Primary Profile	Cognitive - Mental clarity Metabolic & hormonal support	Rich in antioxidants Antimicrobial properties
Skin Care Profile	Soothing - Protective - Anti-aging - Blemish control	Moisturizing benefits - Anti inflammatory
Hair Care Profile	Scalp health & oil regulation - Hair strengthening & growth	Beta sitosterol

