



GALILEO

ESSENTIAL OILS & MORE

ANISE

Specifications



General Specification

Product Name	Anise Seed (Steam Distilled – Egyptian – Galileo)
Botanical Name	Pimpinella Anisum
Botanical Family	Apiaceae
Description	Essential Oil Obtained from Seeds of Pimpinella Anisum
Status	Organic
Manufacturer	GMS TRADE
Harvest Season	May - Sep

Physical Specification

Parameter	Requirement	Test Method
Appearance	Clear to pale yellow	Visual
Odor	Fresh – Sweet – Spicy – Anisic	Organoleptic
Taste	Warm, slightly spicy taste with warm – Slightly spicy	Organoleptic
Solubility	Highly lipophilic (oil-soluble) but has limited solubility in water	Visual
Viscosity	Thin, non-greasy @ 20°C	Capillary Viscometer
Specific Gravity	0.978 – 0.992 @ 20°C	ASTM D4052
Refractive Index	1.552 – 1.561 @ 20°C	ASTM D1218

Chemical Specification

Primary Constituents	Trans Anethole	
Parameter	Requirement %	Test Method
Trans Anethole	87 – 90	GC – MS
Estragole ⁶	≤ 5	GC – MS
(Z)-Anethole	< 1	CMA – MS
Trans-Beta-Caryophyllene	< 1	CMA – MS

Key Applications & Benefits

Property	Usage	Advantage
Primary Profile	Digestive support - Antimicrobial protection Calming & relaxing effect	Sweet licorice - like taste
Skin Care Profile	Spot treatments - Cleansers	Low dilution
Hair Care Profile	Scalp treatments for dandruff	Antimicrobial action

