



GALILEO

ESSENTIAL OILS & MORE

BLACK SEED

Specifications



General Specification

Product Name	Black Seed Oil (Cold Pressed – Egyptian – Galileo)
Botanical Name	Nigella sativa
Botanical Family	Ranunculaceae
Description	Carrier oil obtained from seeds of Nigella sativa.
Status	Organic
Manufacturer	GMS TRADE
Harvest Season	May - Sep

Physical Specification

Parameter	Requirement	Test Method
Appearance	Dark amber – Clear liquid	Visual
Odor	Strong – Pungent – Aromatic	Organoleptic
Taste	Bitter – Spicy	Organoleptic
Solubility	Soluble in high-proof ethanol – Insoluble in Water	Visual
Optical Rotation	+10° to +25° @ 20°C	Visual
Specific Gravity	0.915 – 0.925 @ 20°C	ASTM D4052
Refractive Index	1.470 – 1.480 @ 20°C	ASTM D1218

Fatty Acid Composition

Primary Constituents	Thymoquinone	
Parameter	Requirement %	Test Method
Thymoquinone	30 – 50	HPLC Thymoquinone
P-Cymene	10 – 20	GC-FID
A-Pinene	5 – 15	GC-FID
Limonene	2 – 10	GC-FID
Peroxide Value	≤ 10 meq/kg	ISO 3960
Acid Value	≤ 4 mg KOH/g	ISO 660
Carvacrol	≤ 2	GC-FID
Thymol	≤ 1	GC-FID

Key Applications & Benefits

Property	Usage	Advantage
Primary Profile	Reduces Inflammation & Pain	Fast-acting pain & stress relief
Skin Care Profile	Anti-inflammatory & antimicrobial Hydrate the skin & Promote a more even complexion	Clear - Hydrated - Toned - Youthful skin
Hair Care Profile	Dandruff control and scalp nourishment	DHT blocking - Nutrient dense

