



GALILEO

ESSENTIAL OILS & MORE

FLAX SEED

Specifications



General Specification

Product Name	Flax seed (Cold Press – Egyptian – Galileo)
Botanical Name	Linum Usitatissimum
Botanical Family	Linaceae
Description	Carrier Oil Obtained from Seeds
Status	Organic
Manufacturer	GMS TRADE
Harvest Season	Mar - May

Physical Specification

Parameter	Requirement	Test Method
Appearance	Clear to slightly golden – Yellow liquid	Visual
Odor	Nutt – Mild earthy	Organoleptic
Taste	Nutty	Organoleptic
Solubility	Insoluble in Water – Soluble in ethanol & Oils	Visual
Specific Gravity	0.925 – 0.935 @ 20°C	ASTM D4052
Specific Refractive	1.478 – 1.483 @ 20°C	ASTM D1218

Fatty Acid Composition

Primary Constituents	Alpha-Linolenic (Omega-3), Linoleic (Omega-6)	
Parameter	Requirement %	Test Method
Alpha-Linolenic (Omega-3)	50 – 60	GC-FID
Linoleic (Omega-6)	12 – 18	GC-FID
Oleic (Omega-9)	10 – 20	GC-FID
Saturated Fats (Palmitic/Stearic)	6 – 10	GC-FID
Alpha-Linolenic (Omega-3)	50 – 60	GC-FID

Key Applications & Benefits

Property	Usage	Advantage
Primary Profile	Consumed orally as a dietary supplement for overall wellness	High omega-3 content - Light aroma
Skin Care Profile	Moisturize, soothe irritation Provide a temporary firming & plumping effect	Anti-inflammatory properties
Hair Care Profile	Strength & elasticity - Frizz Control - Dandruff Relief	Fatty acids to promote strength & shine

