



GALILEO

ESSENTIAL OILS & MORE

WHEAT GERM

Specifications



General Specification

Product Name	Wheat Germ (Cold Press – Egyptian – Galileo)
Botanical Name	Triticum aestivum
Botanical Family	Poaceae
Description	Carrier Oil Obtained from Germ of wheat kernel
Status	Organic
Manufacturer	GMS TRADE
Harvest Season	Apr - Jun

Physical Specification

Parameter	Requirement	Test Method
Appearance	Thick - Pale yellow to pale orange	Visual
Odor	Nutty – Slightly grassy	Organoleptic
Taste	Nutty - Mild sweetness	Organoleptic
Solubility	Insoluble in water - Soluble in alcohol	Visual
Specific Gravity	0.925 – 0.940 @ 20°C	ASTM D4052
Refractive Index	1.469 – 1.478 @ 20°C	ASTM D1218

Fatty Acid Composition

Primary Constituents	Linoleic (Omega 6)	
Parameter	Requirement %	Test Method
Linoleic (Omega 6)	50 – 60	GC-FID
Oleic (Omega 9)	12 – 20	GC-FID
Palmitic	10 – 18	GC-FID
α-Linolenic (Omega 3)	3 – 8	GC-FID

Key Applications & Benefits

Property	Usage	Advantage
Primary Profile	Nutraceuticals - Dietary supplements	Nutrient dense - Antioxidan
Skin Care Benefits	Promotes cell regeneration - Combats oxidative stress	Antioxidant - Deeply nourishing
Hair Care Profile	Reduces breakage - Shine & resilience	Strengthens & repairs - Conditions & smooths

