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Technical Data Sheet
WHEAT GERM OIL
Unrefined
QMR-TDS-TAO_N_ref

A yellowish to brown oil, typical in taste and smell, obtained by solvent extraction and purification of Wheat Germs.

Ingredients	Triticum Aestivum Germ Oil
INCI	Triticum Aestivum Germ Oil
CAS #	84012-44-2
EC #	281-689-7
TARIC	15159040

REGULATION

Product offered in accordance with:

- REGULATION (EC) No 1223/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 30 November 2009 on cosmetic products.

PROPERTIES AND APPLICATIONS

Cosmetics	Emollient
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PYSICOCHEMICAL

Moisture	≤ 0,1 %	AOCS Cd8b:90(09)
Acid Value	≤ 20 mg KOH/g	ISO 660
Peroxide Value	≤ 10 meq/Kg	ISO 3960
Saponification Value*	180.0 – 195.0 mg KOH/g	ISO 3657
Unsaponifiable matter*	≤ 5.0 %	ISO 3596
Refractive Index 20°C*	1,470-1,480	ISO 6320
Specific Gravity 20/20°C*	0.920-0,930 g/ml	ISO 6883
Colour	≤ 9 Gardner	DIN 4630

FATTY ACIDS

Saturated fatty acids of chain length less than C16	≤ 3.0 %	ATM016A
C 16:0 Palmitic acid	14.0 – 19.0 %	ATM016A
C 18:0 Stearic acid	≤ 2.0 %	ATM016A
C 18:1 Oleic acid	9.0 – 24.0 %	ATM016A
C 18:2 Linoleic acid	54.0 – 60.0 %	ATM016A
C18:3 Alpha Linolenic	6.0 - 10.0 %	ATM016A
C20:1 Icosenoic	≤ 2.0 %	ATM016A
Others	≤ 4.0 %	ATM016A

HANDLING

Packaging	25Kg can / 190 Kg drums / 900Kg IBC
Storage	Store in a cool, dry place in original sealed packaging away from sources of light, heat or air. Once opened use content quickly. When taking material close the drum airtight to avoid oxidation.
Shelf Life	At least 24 months under the above storage conditions. The oil has a best use date of 12 months in the original packing.

ADDITIONAL

The product is GMO free and therefore not subject to the requirements of regulation (EC) 1829/2003 and regulation (EC) 1830/2003. No irradiated materials were used; the product itself was not irradiated. This oil is of pure vegetable origin and does not get in contact with any animal material during manufacturing, storage and transportation.

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