



NHR ORGANIC OILS
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Certificate of Analysis Sheet

Organic Wheatgerm Oil

(*Triticum vulgare*)

Trade Name: Wheatgerm Oil Organic **INCI Name:** *Triticum Vulgare (Wheatgerm) Germ Oil*
CAS No: 68917-73-7 / 8006-95-9 **EC No:** 281-689-7
Country of Origin: USA **Country of Manufacture:** USA
Batch No: 050722-7 **Application:** Food

Description:

The oil is obtained by cold pressing / expression from the wheat germ *Triticum vulgare*, Poaceae.

ANALYTICAL DETAILS	UNIT	RANGE	RESULT
Appearance @ 20°C	Organoleptic	Clear oily mobile liquid sometimes hazy	Conforms
Colour	Organoleptic	Yellow to green to brown	Conforms
Odour	Organoleptic	Characteristic	Conforms
Refractive Index @ 20°C	-	1.472 – 1.478	1.474
Specific Gravity @ 20°C	g/ml	0.920 – 0.930	0.920
Acid Value	mg KOH/g	≤ 5.0	2.3
Peroxide Value	meq O ₂ /kg	≤ 10.0	4.7
Saponification Value	mg KOH/g	180 – 195	193.0
Iodine Value	mg/g	120 – 135	128.0
Unsaponifiable Matter	%	≤ 5.0	4.4
Vitamin E Content	mg/kg	≥ 2500	2582
Gluten Content	ppm	≤ 5.0	Conforms
Flash Point (Closed Cup)	°C	>300°	Conforms

TYPE	ACID NAME	UNIT	RANGE	RESULT
C16:0	Palmitic	%	14 – 19	17.7
C18:0	Stearic	%	≤ 2.0	0.8
C18:1	Oleic	%	12 – 23	17.0
C18:2	Linoleic	%	52 – 59	55.7
C18:3	α-Linolenic	%	3 – 10	5.9

Storage:

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flame. Protect from freezing and direct sunlight.