



NHR ORGANIC OILS
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Certificate of Analysis Sheet
Organic Wheatgerm Oil
(Triticum vulgare)

Trade Name:	Wheatgerm Oil Organic	INCI Name:	<i>Triticum Vulgare (Wheatgerm) Germ Oil</i>
CAS No:	68917-73-7 / 8006-95-9	EC No:	281-689-7
Country of Origin:	USA	Country of Manufacture:	USA
Batch No:	230124-1	Application:	Health & beauty, cosmetics, food
Description:	The oil is obtained by cold pressing / expression from the wheat germ <i>Triticum vulgare</i> , 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	1.473
Specific Gravity @ 20°C	g/ml	0.920 – 0.930	0.920
Acid Value	mg KOH/g	≤ 5.0	4.8
Peroxide Value	meq O ₂ /kg	≤ 10.0	3.77
Saponification Value	mg KOH/g	180 – 195	186.0
Iodine Value	mg/g	120 – 135	131.9
Unsaponifiable Matter	%	≤ 5.0	3.6
Vitamin E Content	mg/kg	≥ 2500	2676
Gluten Content	ppm	≤ 5.0	Conforms
Flash Point (Closed Cup)	°C	>300°	Conforms

TYPE	ACID NAME	UNIT	RANGE	RESULT
C16:0	Palmitic	%	14 – 19	14.5
C18:0	Stearic	%	≤ 2.0	1.4
C18:1	Oleic	%	12 – 23	20.9
C18:2	Linoleic	%	52 – 59	55.3
C18:3	α-Linolenic	%	3 – 10	6.7

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.