



NHR ORGANIC OILS
24 CHATHAM PLACE, BRIGHTON, BN1 3TN, UK
+44 (0)1273 746505 info@nhrorganicoils.com www.nhrorganicoils.com

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:	160922-2	Application:	Food / Cosmetics

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	0.921
Acid Value	mg KOH/g	≤ 5.0	2.4
Peroxide Value	meq O ₂ /kg	≤ 10.0	5.1
Saponification Value	mg KOH/g	180 – 195	193.9
Iodine Value	mg/g	120 – 135	126.9
Unsaponifiable Matter	%	≤ 5.0	4.6
Vitamin E Content	mg/kg	≥ 2500	2585
Gluten Content	ppm	≤ 5.0	Conforms
Flash Point (Closed Cup)	°C	>300°	Conforms

TYPE	ACID NAME	UNIT	RANGE	RESULT
C16:0	Palmitic	%	14 – 19	17.5
C18:0	Stearic	%	≤ 2.0	0.8
C18:1	Oleic	%	12 – 23	16.8
C18:2	Linoleic	%	52 – 59	55.9
C18:3	a-Linolenic	%	3 – 10	6.0

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.

Shelf Life: The shelf life is 24 months from the date of manufacture, if unopened. Once opened the shelf life of the oil is limited by temperature, light and oxygen exposure. Any remaining oil should be blanketed with nitrogen and used as soon as possible.