



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*)

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	Batch No:	250723-1
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	1.474
Specific Gravity @ 20°C	g/ml	0.920 – 0.930	0.920
Acid Value	mg KOH/g	≤ 5.0	2.4
Peroxide Value	meq O ₂ /kg	≤ 10.0	0.35
Saponification Value	mg KOH/g	180 – 195	193.0
Iodine Value	mg/g	120 – 135	127.1
Unsaponifiable Matter	%	≤ 5.0	4.4
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	0.7
C18:1	Oleic	%	12 – 23	17.0
C18:2	Linoleic	%	52 – 59	55.5
C18:3	a-Linolenic	%	3 – 10	5.3

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: 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.