



2 4 CHATH AM P LACE, BR IGH TON , BN 1 3 TN ( U K)  
TE L. ( U K) 0 8 4 5 3 1 0 8 0 6 6 I n t e r n a t i o n a l T e l. + 4 4 1 2 7 3 7 4 6 5 0 5  
E M A I L: i n f o @ n h r o r g a n i c o i l s . c o m W e b S i t e: [www.nhrganicoils.com](http://www.nhrganicoils.com)

## Certificate of Analysis Sheet

### Organic Wheatgerm Oil

(*Triticum vulgare*)

**Batch No:** 080419-1

<b>Trade Name:</b>	Wheatgerm Oil Organic	<b>INCI Name:</b>	<i>Triticum Vulgare (Wheatgerm) Germ Oil</i>
<b>CAS No:</b>	68917-73-7 / 8006-95-9	<b>EC No:</b>	281-689-7
<b>Country of Origin:</b>	USA	<b>Country of Manufacture:</b>	USA
<b>Manufactured:</b>	February 2019	<b>Shelf Life:</b>	24 Months

#### Description:

The oil obtained by cold pressing the Wheat Germ, *Triticum Vulgare*, *Poaceae*. It consists primarily of the glycerides of the fatty acids.

ANALYTICAL DETAILS	UNIT	RANGE	RESULT
Appearance	Organoleptic	Viscous liquid. Waxes possible at lower temperatures	Conforms
Colour	Organoleptic	Yellow to green – orange to brown	Conforms
Odour	Organoleptic	Characteristic	Conforms
Refractive Index @ 20°C	-	1.472 – 1.482	1.474
Specific Gravity @ 20°C	g/ml	0.920 – 0.935	0.920
Acid Value	mg KOH/g	≤ 16.0	2.4
Free Fatty Acid	% as Oleic	≤ 8.0	1.2
Peroxide Value	meq O <sub>2</sub> /kg	≤ 15.0	2.22
Saponification Value	mg KOH/g	180 – 200	193
Iodine Value	mg/g	115 – 140	129
Flash Point	Closed Cup	> 300°C	Conforms

TYPE	ACID NAME	UNIT	RANGE	RESULT
C16:0	Palmitic	%	14 – 19	17.40
C18:0	Stearic	%	≤ 6	0.80
C18:1	Oleic	%	12 – 23	17.0
C18:2	Linoleic	%	52 – 62	55.70
C18:3	a-Linolenic	%	3 – 10	6.10

**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 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.