



NHR ORGANIC OILS  
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## Certificate of Analysis Sheet

### Organic Wheatgerm Oil (*Triticum vulgare*)

PRODUCT NAME: WHEATGERM OIL, COLD PRESSED ORGANIC
BATCH NUMBER: 140125-1
PRODUCT INCI: TRITICUM VULGARE GERM OIL
ORIGIN: USA
CAS NUMBER: 68917-73-7 / 8006-95-9
EINECS NUMBER: 281-689-7
MANUFACTURING METHOD: COLD PRESSED

ANALYTICAL DETAILS	RANGE %	RESULTS
APPEARANCE	OILY LIQUID	-
ODOUR	CHARACTERISTIC	-
COLOUR	GOLDEN - AMBER	-
SPECIFIC GRAVITY @ 20°C	0.920 - 0.930	0.921
REFRACTIVE INDEX @ 20°C	1.472 - 1.478	1.474
ACID VALUE	≤ 5.0	0.5
SAPONIFICATION VALUE (MGKOH/G)	180.0 – 195.0	189.2
IODINE VALUE (MG/G)	120.0 – 135.0	131.7
PEROXIDE VALUE (MEQ/KG)	≤ 10.0	1.90
UNSAAPONIFIABLE MATTER (%)	≤ 5.0	4.1
VITAMIN E (MG/KG)	≥ 2500.0	2602
FREE FATTY ACID	≤ 2.5	0.25

FATTY ACID PROFILE		RANGE %	RESULTS
<b>C-CHAIN</b>	<b>ACID NAME</b>		
C16:0	PALMITIC	14.0 – 19.0	14.9
C16:1	PALMITOLEIC	≤ 1.0	<0.1
C 18:0	STEARIC	≤ 2.0	1.5
C18:1	OLEIC	12.0 – 23.0	21.1
C18:2	LINOLEIC	52.0 – 59.0	54.6
C18:3	LINOLENIC	3.0 – 10.0	6.4
C 20:0	ARACHIDIC	≤ 1.0	0.1
C 20:1	EICOSENOIC	≤ 2.0	0.6
C 22:0	BEHENIC	≤ 1.0	0.1

The attached information is considered to be correct at the time the client received this information.  
Please be aware that detail can change and we encourage clients to update their records with NHR Organic Oils regularly.  
The information is not and should not be considered a guarantee or warranty, or a part of our contractual or other legal obligations.