



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: 120126-2
PRODUCT INCI: TRITICUM VULGARE GERM OIL
CAS NUMBER: 68917-73-7 / 8006-95-9
EINECS NUMBER: 281-689-7
MANUFACTURING METHOD: COLD PRESSED

ANALYTICAL DETAILS	RANGE %	RESULTS
APPEARANCE	OILY LIQUID	COMPLIES
ODOUR	CHARACTERISTIC	COMPLIES
COLOUR	GOLDEN - AMBER	COMPLIES
SPECIFIC GRAVITY @ 20°C	0.920 - 0.930	0.920
REFRACTIVE INDEX @ 20°C	1.472 - 1.478	1.473
ACID VALUE	≤ 5.0	0.80
SAPONIFICATION VALUE (MGKOH/G)	180.0 – 195.0	193.0
IODINE VALUE (MG/G)	120.0 – 135.0	134.4
PEROXIDE VALUE (MEQ/KG)	≤ 10.0	0.90
UNSATURATED MATTER (%)	≤ 5.0	4.30
VITAMIN E (MG/KG)	≥ 2500.0	2582
FREE FATTY ACID	≤ 2.5	0.40

FATTY ACID PROFILE		RANGE %	RESULTS
C-CHAIN	ACID NAME		
C16:0	PALMITIC	14.0 – 19.0	14.60
C16:1	PALMITOLEIC	≤ 1.0	<0.1
C 18:0	STEARIC	≤ 2.0	1.90
C18:1	OLEIC	12.0 – 23.0	18.80
C18:2	LINOLEIC	52.0 – 59.0	53.60
C18:3	LINOLENIC	3.0 – 10.0	7.60
C 20:0	ARACHIDIC	≤ 1.0	0.10
C 20:1	EICOSENOIC	≤ 2.0	0.50
C 22:0	BEHENIC	≤ 1.0	0.10

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.