

# BOMAR

## CERTIFICATE OF ANALYSIS

**PRODUCT NAME: WHEATGERM OIL, REFINED**

**Bomar Batch No: Q0615** (LOT NUMBER: LOT0011379)

PRODUCT INCI: TRITICUM VULGARE GERM OIL

PRODUCT CODE: K0484

CAS NUMBER: 68917-73-7 / 8006-95-9

EINECS NUMBER: 281-689-7

MANUFACTURING METHOD: EXPELLER PRESSED & REFINED

MANUFACTURING DATE: 17/04/2021

BEST BEFORE DATE: 17/04/2023

ANALYTICAL DETAILS	RANGE %	RESULTS
APPEARANCE	PALE YELLOW - CLEAR OILY LIQUID	-
ODOUR	ODOURLESS	-
SPECIFIC GRAVITY @ 20°C	0.910 – 0.930	0.920
REFRACTIVE INDEX @ 20°C (NR)	1.460 – 1.480	1.475
FREE FATTY ACID (% AS OLEIC)	≤ 1.0	0.1
IODINE VALUE (CALC)	115.0 – 140.0	130.0
PEROXIDE VALUE	<10.0	0.6
ACID VALUE	<2.0	0.2
SAPONIFICATION VALUE	180.0 – 198.0	191.0
UNSATURIFIABLE MATTER	<5.0	0.5
VITAMIN E	>1820	2460

FATTY ACID PROFILE		RANGE %	RESULTS
C-CHAIN	ACID NAME		
C16:0	PALMITIC	10.0 – 16.0	11.1
<b>C16:1</b>	PALMITOLEIC	< 1.0	0.1
C18:0	STEARIC	< 4.0	3.8
C18:1	OLEIC	12.0 – 38.0	28.0
C18:2	LINOLEIC	40.0 – 59.0	52.0
C18:3	LINOLENIC	< 10.0	3.7
C20:0	ARACHIDIC	< 1.0	0.4
C20:1	EICOSENOIC	<1.0	0.2
C22:0	BEHENIC	< 1.0	0.2

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