THE OIL FAMILY

CERTIFICATE OF ANALYSIS

PRODUCT NAME: VITAMIN E (WHEATGERM VARIETY)
LOT NUMBER: LOT0022190
PRODUCT INCI: TRITICUM VULGARE GERM OIL & TOCOPHEROL
PRODUCT CODE: K0742
CAS NUMBER: 68917-73-7 / 8006-95-9 & 59-02-9
EINECS NUMBER: - / 281-689-7 & 200-412-2
MANUFACTURING DATE: 12/04/2024
BEST BEFORE DATE: 12/04/2026

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
PEROXIDE VALUE (MEQ O_2/ KG)	<5.0	2.8
IODINE VALUE (CALC)	115.0 – 140.0	125.5
ACID VALUE	<1.0	0.4
SAPONIFICATION VALUE	180.0 – 198.0	188.0
VITAMIN E	>1500	1750

FATTY ACID PROFILE		RANGE %	RESULTS
C-CHAIN	**ACID NAME**		
C16:0	PALMITIC	10.0 – 16.0	11.0
C16:1	PALMITOLEIC	< 1.0	0.2
C18:0	STEARIC	< 4.0	3.0
C18:1	OLEIC	12.0 – 38.0	20.0
C18:2	LINOLEIC	40.0 – 59.0	50.0
C18:3	LINOLENIC	<10.0	3.0

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