THE OIL FAMILY

CERTIFICATE OF ANALYSIS

PRODUCT NAME: VITAMIN E (WHEATGERM VARIETY)
LOT NUMBER: LOT0031298
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: 22/05/2026
BEST BEFORE DATE: 22/05/2028

ANALYTICAL DETAILS	RANGE %	RESULTS
APPEARANCE	PALE YELLOW - CLEAR OILY LIQUID	COMPLIES
ODOUR	ODOURLESS	COMPLIES
SPECIFIC GRAVITY @ 20°C	0.910 – 0.930	0.925
REFRACTIVE INDEX @ 20°C (NR)	1.460 – 1.480	1.475
PEROXIDE VALUE (MEQ O_2/ KG)	<5.0	3.5
IODINE VALUE (CALC)	115.0 – 140.0	127.5
ACID VALUE	<1.0	0.2
SAPONIFICATION VALUE	180.0 – 198.0	187.5
VITAMIN E	>1500	1650

FATTY ACID PROFILE		RANGE %	RESULTS
C-CHAIN	**ACID NAME**		
C16:0	PALMITIC	10.0 – 16.0	15.98
C16:1	PALMITOLEIC	< 1.0	< 1.0
C18:0	STEARIC	< 4.0	0.69
C18:1	OLEIC	12.0 – 38.0	16.19
C18:2	LINOLEIC	40.0 – 59.0	58.56
C18:3	LINOLENIC	<10.0	6.17

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