

## CERTIFICATE OF ANALYSIS

**PRODUCT NAME: GRAPESEED OIL, REFINED**

**LOT NUMBER: LOT0014896**

**PRODUCT INCI: VITIS VINIFERA SEED OIL**

**CAS NUMBER: 85594-37-2 / 84929-27-1 / 8024-22-4**

**EINECS NUMBER: 287-896-9 / 284-511-6**

**MANUFACTURING METHOD: EXPELLER PRESSED & REFINED**

**MANUFACTURING DATE: 23/01/23**

**BEST BEFORE DATE: 23/01/25**

ANALYTICAL DETAILS	RANGE %	RESULTS
APPEARANCE	LIGHT YELLOW – LIGHT GREEN OILY LIQUID	-
ODOUR	ODOURLESS	-
COLOUR LOVIBOND (5¼" CELL)	<25Y, <2.5R	5.0Y, 0.5R
SPECIFIC GRAVITY @ 20°C	0.910 – 0.930	0.921
SAPONIFICATION VALUE	187 - 200	190.0
UNSAPONIFIABLE MATTER	<2.0	1.0
FREE FATTY ACID (% AS OLEIC)	<1.0	0.1
PEROXIDE VALUE	<5.0	3.0
IODINE VALUE	134.0 – 146.0	134.0
ACID VALUE	<2.0	0.2
REFRACTIVE INDEX	1.473 – 1.477	1.471

FATTY ACID PROFILE		RANGE %	RESULTS
<b>C-CHAIN</b>	<b>ACID NAME</b>		
C16:0	PALMITIC	5.0 – 11.0	7.2
C16:1	PALMITOLEIC	<1.0	0.1
C18:0	STEARIC	3.0 - 6.5	3.8
C18:1	OLEIC	12.0 – 28.0	26.7
C18:2	LINOLEIC	60.0 – 78.0	60.0
C18:3	LINOLENIC	< 1.5	0.7
C20:0	ARACHIDIC	< 1.5	0.30
C20:1	GADOLEIC	< 1.0	0.13
C22:0	BEHENIC	< 1.0	0.67

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