

## CERTIFICATE OF ANALYSIS

**PRODUCT NAME: GRAPESEED OIL, REFINED**

**LOT NUMBER: Q0966** (LOT0016126)

**PRODUCT INCI: VITIS VINIFERA SEED OIL**

**PRODUCT CODE: K0213**

**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: 02/08/22**

**BEST BEFORE DATE: 02/08/24**

ANALYTICAL DETAILS	RANGE %	RESULTS
APPEARANCE	LIGHT YELLOW – LIGHT GREEN OILY LIQUID	-
ODOUR	ODOURLESS	-
COLOUR LOVIBOND (5¼" CELL)	<25Y, <2.5R	9.0Y, 0.5R
SPECIFIC GRAVITY @ 20°C	0.910 – 0.930	0.915
SAPONIFICATION VALUE	187 - 200	198.0
UNSAAPONIFIABLE MATTER	<2.0	1.5
FREE FATTY ACID (% AS OLEIC)	<1.0	0.03
PEROXIDE VALUE	<5.0	0.33
IODINE VALUE	134.0 – 146.0	134.69
ACID VALUE	<2.0	0.06
REFRACTIVE INDEX	1.473 – 1.477	1.475

FATTY ACID PROFILE		RANGE %	RESULTS
C-CHAIN	ACID NAME		
C16:0	PALMITIC	5.0 – 11.0	9.90
C16:1	PALMITOLEIC	<1.0	0.12
C18:0	STEARIC	3.0 - 6.5	3.65
C18:1	OLEIC	12.0 – 28.0	24.25
C18:2	LINOLEIC	60.0 – 78.0	60.2
C18:3	LINOLENIC	< 1.5	1.4
C20:0	ARACHIDIC	< 1.5	0.28
C20:1	GADOLEIC	< 1.0	0.20
C22:0	BEHENIC	< 1.0	0.30

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