



# CERTIFICATE OF ANALYSIS

**PRODUCT NAME: GRAPESEED OIL, REFINED**

LOT NUMBER: LOT0012955

PRODUCT INC: 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: EXPPELLER PRESSED & REFINED

MANUFACTURING DARE: 06/09/2021

BEST BEFORE DATE: 06/09/2023

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	0.918
SAPONIFICATION VALUE	187 – 200	190
UNSAAPONIFIABLE MATTER	<2.0	<1.0
FREE FATTY ACID (% AS OLEIC)	<1.0	0.10
PEROXIDE VALUE	<5.0	0.5
IODINE VALUE	134.0 – 146.0	135.68
ACID VALUE	<2.0	0.05
REFRACTIVE INDEX	1.473 – 1.477	1.474

FATTY ACID PROFILE		RANGE %	RESULTS
<b>C-CHAIN</b>	<b>ACID NAME</b>		
C16:0	PALMITIC	5.0 – 11.0	6.6
C16:1	PALMITOLEIC	<1.0	0.1
C18:0	STEARIC	3.0 – 6.5	3.6
C18:1	OLEIC	12.0 – 28.0	27.30
C18:2	LINOLEIC	60.0 – 78.0	61.0
C18:3	LINOLENIC	<1.5	0.20
C20:0	ARACHIDIC	<1.5	0.30
C20:1	GADOLEIC	<1.0	0.13
C22:0	BEHENIC	<1.0	0.67