

## CERTIFICATE OF ANALYSIS

**PRODUCT NAME: GRAPESEED OIL, COSMETIC & FOOD GRADE OIL REFINED**

**LOT NUMBER: Lot0004399**

PRODUCT INCI: VITIS VINIFERA SEED OIL & HELIANTHUS ANNUS SEED OIL

PRODUCT CODE: K0215

CAS NUMBER: 8024-22-4 / 84929-27-1 & 8001-21-6

EINECS NUMBER: 284-511-6 & 232-273-9

MANUFACTURING METHOD: EXPPELLER PRESSED & REFINED & BLENDED

MANUFACTURING DATE: 01/10/2019

BEST BEFORE END DATE: 01/10/2021

ANALYTICAL DETAILS	RANGE %	RESULTS
APPEARANCE	LIGHT YELLOW OILY LIQUID	-
ODOUR	ODOURLESS	-
SPECIFIC GRAVITY @ 20°C	0.910 – 0.930	0.922
REFRACTIVE INDEX @ 20°C	1.470 – 1.479	1.472
FREE FATTY ACID (% AS OLEIC)	<1.0	-
PEROXIDE VALUE	<10.0	3.9
IODINE VALUE	124.0 – 146.0	135.0
ACID VALUE	<2.0	1.12

FATTY ACID PROFILE		RANGE	RESULTS
C-CHAIN	ACID NAME		
C16:0	PALMITIC	5.0 – 9.0	7.2
C16:1	PALMITOLEIC	<0.5	0.4
C18:0	STEARIC	3.0 - 6.0	4.3
C18:1	OLEIC	15.0 – 28.0	22.7
C18:2	LINOLEIC	60.0 – 75.0	65.9
C18:3	LINOLENIC	< 1.5	1.0
C20:0	ARACHIDIC	< 1.5	-
C20:1	GADOLEIC	< 1.0	-
C22:0	BEHENIC	< 1.0	-