

## CERTIFICATE OF ANALYSIS

**PRODUCT NAME: POMEGRANATE SEED OIL, COLD PRESSED ORGANIC**

**LOT NUMBER: LOT0001311**

PRODUCT INCI: PUNICA GRANATUM OIL

PRODUCT CODE: K0363

CAS NUMBER: 84961-57-9

EINECS NUMBER: 284-646-0

MANUFACTURING METHOD: COLD PRESSED

MANUFACTURING DATE: 12/09/2018

BEST BEFORE DATE: 12/03/2020

ANALYTICAL DETAILS	RANGE %	RESULTS
APPEARANCE	OILY LIQUID	-
ODOUR	CHARACTERISTIC	-
COLOUR	YELLOW - GOLDEN	-
REFRACTIVE INDEX @ 20°C	1.510 – 1.525	1.5218
SPECIFIC GRAVITY @ 20°C	0.930 – 0.950	0.944
FREE FATTY ACID	<2.5	1.25
ACID VALUE	<5.0	1.2
PEROXIDE VALUE (MEQ O <sub>2</sub> / KG)	<20.0	5.5
UNSATURATED MATTER	<2.5	-

FATTY ACID PROFILE		RANGE %	RESULTS
C-CHAIN	ACID NAME		
C16:0	PALMITIC	1.0 – 5.0	2.3
C18:0	STEARIC	2.0 – 10.0	1.7
C18:1	OLEIC	3.0 – 20.0	3.7
C18:2	LINOLEIC	3.0 – 10.0	3.9
C18:3	LINOLENIC	60.0 - 85.0	86.4
C18:3	PUNICIC	60.0 – 85.0	67.2