

## CERTIFICATE OF ANALYSIS

**PRODUCT NAME: MARULA SEED OIL, COLD PRESSED**

**LOT NUMBER: LOT0003331**

PRODUCT INCI: SCLEROCARYA BIRREA SEED OIL

PRODUCT CODE: K0288

CAS NUMBER: NOT LISTED

EINECS NUMBER: NOT LISTED

MANUFACTURING METHOD: COLD PRESSED

MANUFACTURING DATE: 06/06/2019

BEST BEFORE DATE: 06/12/2020

ANALYTICAL DETAILS	RANGE %	RESULTS
APPEARANCE	OILY LIQUID (ROOM TEMP), SOFT BUTTER (COOL TEMP)	-
ODOUR	ODOURLESS	-
COLOUR	WHITE – IVORY - YELLOW	-
FREE FATTY ACID (%)	<4.0	-
SAPONIFICATION VALUE	180.0 – 200.0	191.0
PEROXIDE VALUE (MEQ O <sub>2</sub> / KG)	<20.0	1.02
ACID VALUE	<10.0	3.53
IODINE VALUE	70 - 86	75.09

FATTY ACID PROFILE		RANGE %	RESULTS
C-CHAIN	ACID NAME		
C16:0	PALMITIC	9.0 – 15.0	11.6
C18:0	STEARIC	5.0 – 12.0	7.85
C18:1	OLEIC	60.0 – 85.0	71.06
C18:2	LINOLEIC	4.0 – 12.0	7.72
C18:3	LINOLENIC	<1.0	0.07
C20:0	ARACHIDIC	<1.0	0.61