

CERTIFICATE OF ANALYSIS

PRODUCT NAME: **BORAGE SEED OIL 19% GLA, REFINED**

LOT NUMBER: **R0347** (LOT0016070)

PRODUCT INCI: BORAGO OFFICINALIS SEED OIL

PRODUCT CODE: K0075

CAS NUMBER: 225234-12-8

EINECS NUMBER: 281-661-4

MANUFACTURING METHOD: EXPELLER PRESSED, REFINED

MANUFACTURING DATE: 27/07/22

BEST BEFORE DATE: 27/07/24

ANALYTICAL DETAILS	RANGE %	RESULTS
APPEARANCE	OILY LIQUID	-
ODOUR	ODOURLESS	-
COLOUR	CLEAR - LIGHT YELLOW	-
COLOUR LOVIBOND (GARDNER)	< 7.0	1.11
REFRACTIVE INDEX @ 20°C	1.465 – 1.485	1.476
SPECIFIC GRAVITY @ 20°C	0.910 – 0.925	0.921
PEROXIDE VALUE (MEQ O ₂ / KG)	<10.0	0.9
ACID VALUE	<1.0	0.2
SAPONIFICATION VALUE (MG KOH/GR)	185.0 – 200.0	190.0
UNSATURATED MATTER	<2.0	0.8
ANISDINE VALUE	<10.0	5.3

FATTY ACID PROFILE		RANGE %	RESULTS
C-CHAIN	ACID NAME		
C16:0	PALMITIC	5.0 – 12.0	9.3
C18:0	STEARIC	1.0 – 6.0	5.6
C18:1	OLEIC	5.0 – 22.0	19.4
C18:2	LINOLEIC	30.0 – 45.0	36.5
C18:3	GAMMA LINOLENIC	>19.0	19.0
C20:0	ARACHIDIC ACID	<0.5	-
C20:1	EICOSENOIC ACID	2.5 – 5.0	4.4
C22:1	ERUCIC ACID	<3.0	2.6

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