

## CERTIFICATE OF ANALYSIS

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

**Bomar Batch: R0378 (LOT NUMBER: LOT0017993)**

PRODUCT INCI: HIPPOPHAE RHAMNOIDES SEED OIL

PRODUCT CODE: K0588

CAS NUMBER: 225234-03-7

EINECS NUMBER: 290-292-8

MANUFACTURING METHOD: COLD PRESSED

MANUFACTURING DATE: 03/03/2023

BEST BEFORE DATE: 03/09/2024

ANALYTICAL DETAILS	RANGE %	RESULTS
APPEARANCE	OILY LIQUID	-
COLOUR	ORANGE – DARK ORANGE - RED	-
ODOUR	CHARACTERISTIC	-
REFRACTIVE INDEX @ 20°C	1.420 – 1.510	1.465
SPECIFIC GRAVITY @ 20°C	0.900 – 0.940	0.920
FREE FATTY ACID (% AS OLEIC)	<10.0	0.45
IODINE VALUE	30.0 – 110.0	70.0
PEROXIDE VALUE	<20.0	1.9
ACID VALUE	<20.0	0.9
SAPONIFICATION VALUE	145.0 – 210.0	177.0

FATTY ACID PROFILE		RANGE %	RESULTS
<b>C-CHAIN</b>	<b>ACID NAME</b>		
C14:0	MYRISTIC	<1.5	
C16:0	PALMITIC	10.0 – 30.0	10.0
C16:1	PALMITOLEIC	<5.0	0.6
C18:0	STEARIC	<5.0	5.4
C18:1	OLEIC	15.0 – 28.0	24.6
C18:2	LINOLEIC	5.0 – 30.0	30.0
C18:3	ALPHA LINOLENIC	<5.0	4.9

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