

## CERTIFICATE OF ANALYSIS

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

**Bomar Batch No: Q0322** (LOT NUMBER: LOT0010721)

PRODUCT INCI: BRASSICA ALBA SEED EXTRACT OIL

PRODUCT CODE: K0297

CAS NUMBER: 84929-33-9

EINECS NUMBER: 284-517-9

MANUFACTURING METHOD: COLD PRESSED.

MANUFACTURING DATE: 10/03/2021

BEST BEFORE END: 10/03/2023

ANALYTICAL DETAILS	RANGE %	
APPEARANCE	OILY LIQUID	-
ODOUR	CHARACTERISTIC, MUSTARD	-
COLOUR	PALE YELLOW – YELLOW - GOLDEN	-
REFRACTIVE INDEX @ 20°C	1.470 – 1.474	1.470
SPECIFIC GRAVITY @ 20°C	0.912 – 0.928	0.923
FREE FATTY ACIDS (% AS OLEIC)	<2.0	0.3
ACID VALUE	<4.0	1.1
PEROXIDE VALUE (MEQ O <sub>2</sub> / KG)	<20.0	1.8
IODINE VALUE	95.0 – 115.0	101.0
SAPONIFICATION VALUE	170.0 – 190.0	181.0

FATTY ACID PROFILE		RANGE %	RESULTS
C-CHAIN	ACID NAME		
C14:0	MYRISTIC	<1.0	0.06
C16:0	PALMITIC	<4.5	2.5
C16:1	PALMITOLEIC	<0.5	0.25
C18:0	STEARIC	<2.0	1.27
C18:1	OLEIC	<32.0	20.0
C18:2	LINOLEIC	<24.0	17.4
C18:3	LINOLENIC	<18.0	12.0
C20:0	ARACHIDIC	<1.5	0.7
C20:1	EICOSENOIC	5.0 – 13.0	9.4
C20:2	EICOSANEDIENOIC	<1.0	0.6
C22:0	BEHENIC	<2.5	0.94
C22:1	ERUCIC	22.0 – 50.0	35.1
C24:0	LIGNOCERIC	<0.5	0.07

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C24:1	NERVONIC	0.5 – 3.0	0.97
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