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CERTIFICATE OF ANALYSIS

PRODUCT NAME & SKU: Borage Seed Oil OIL046

Certificate Of Analysis		
PRODUCT NAME: BORAGE SEED OIL 22% GLA, REFINED		
LOT NUMBER: LOT0021853		
PRODUCT INCI: BORAGO OFFICINALIS SEED OIL		
PRODUCT CODE: K0074		
CAS NUMBER: 225234-12-8		
EINECS NUMBER: NOT LISTED.		
MANUFACTURING METHOD: EXPELLER PRESSED, REFINED		
MANUFACTURING DATE: 13/09/2023		
BEST BEFORE DATE: 13/09/2025		

ANALYTICAL DETAILS		RANGE %	RESULT
APPEARANCE		OILY LIQUID	-
ODOUR		ODOURLESS	-
COLOUR		CLEAR - LIGHT YELLOW	-
COLOUR LOVIBOND (GARDNER)		< 7.0	4.1
REFRACTIVE INDEX @ 20°C		1.465 – 1.485	1.475
SPECIFIC GRAVITY @ 20°C		0.910 – 0.925	0.918
PEROXIDE VALUE (MEQ O ₂ / KG)		<10.0	2.4
ACID VALUE		<1.0	0.25
SAPONIFICATION VALUE (MG KOH/GR)		185.0 – 200.0	193.0
UNSAPONIFIABLE MATTER		<2.0	1.0
ANISDINE VALUE		<10.0	4.9

FATTY ACID PROFILE		RANGE %	RESULT
C-CHAIN	ACID NAME		
C16:0	PALMITIC	5.0 – 12.0	9.0
C18:0	STEARIC	1.0 – 6.0	3.5
C18:1	OLEIC	5.0 – 22.0	13.0
C18:2	LINOLEIC	30.0 – 45.0	36.8
C18:3	GAMMA LINOLENIC	>22.0	22.1
C20:0	ARACHIDIC ACID	<0.5	0.2
C20:1	EICOSENOIC ACID	2.5 – 5.0	3.5
C22:1	ERUCIC ACID	<3.0	0.5