

AKÖMA™

FROM THE HEART

CERTIFICATE OF ANALYSIS BORAGE (STARFLOWER) VIRGIN ORGANIC OIL

DESCRIPTION

PRODUCT: BORAGE (STARFLOWER) VIRGIN ORGANIC OIL, COLD PRESSED, 20% GLA
INCI NAME: BORAGO OFFICINALIS
CAS No: 84012-16-8
EINECS No: 281-661-4
MANUFACTURING METHOD: COLD PRESSED

CHARACTERISTICS

ANALYTICAL DETAILS	RANGE %	RESULT
APPEARANCE	OILY LIQUID	CONFORMS
ODOUR	SPICY CHARACTERISTIC	CONFORMS
COLOUR	YELLOW – GREEN	CONFORMS
COLOUR (GARDNER)	<12.0	CONFORMS
REFRACTIVE INDEX @ 20°C	1.470 – 1.480	1.471
FREE FATTY ACID	<2.0	CONFORMS
PEROXIDE VALUE (MEQ O ₂ / KG)	<20.0	1.52
SPECIFIC GRAVITY @ 20°C	0.910 – 0.935	0.922
ACID VALUE	<4.0	0.38
SAPONIFICATION VALUE	185.0 – 195.0	187

FATTY ACID PROFILE	ACID NAME	RANGE %	RESULTS
C-CHAIN			
C16:0	PALMITIC	9.0 – 14.0	9.48
C16:1	PALMITOLEIC	<0.6	0.16
C18:0	STEARIC	3.0 - 5.5	4.91
C18:1	OLEIC	15.0 – 20.0	18.66
C18:2	LINOLEIC	35.0 – 42.0	39.43
C18:3	GAMMA LINOLENIC	>20.0	-
C20:0	ARACHIDIC	<0.5	0.35
C20:1	EICOSENOIC	<0.1	-
C22:1	ERUCIC	1.0 – 3.0	2.38