

AKÖMA™

FROM THE HEART

CERTIFICATE OF ANALYSIS SAFFLOWER OIL HI-LINOLEIC ORGANIC

DESCRIPTION

PRODUCT: SAFFLOWER OIL HI-LINOLEIC ORGANIC, COLD PRESSED
INCI NAME: CARTHAMUS TINCTORIUS SEED OIL
CAS No: 8001-23-8
EINECS No: 232-276-5
MANUFACTURING METHOD: COLD PRESSED

CHARACTERISTICS

ANALYTICAL DETAILS	RANGE %	RESULT
APPEARANCE	OILY LIQUID	CONFORMS
ODOUR	CHARACTERISTIC	CONFORMS
COLOUR	ORANGE – YELLOW - GOLDEN	CONFORMS
REFRACTIVE INDEX @ 20°C	1.460 – 1.480	1.476
SPECIFIC GRAVITY @ 20°C	0.917 – 0.924	0.922
ACID VALUE	<10.0	0.58
PEROXIDE VALUE (MEQ O ₂ / KG)	<20.0	1.23
IODINE VALUE	104.0 – 152.0	145.0
SAPONIFICATION VALUE	180.0 – 200.0	191.0
UNSATURATED MATTER	<20.0	0.87

FATTY ACID PROFILE			
C-CHAIN	ACID NAME	RANGE %	RESULTS
C14:0	MYRISTIC	<0.2	-
C16:0	PALMITIC	4.0 – 12.0	6.09
C18:0	STEARIC	1.0 – 7.0	2.72
C18:1	OLEIC	8.0 – 21.0	19.02
C18:2	LINOLEIC	68.0 – 83.0	70.82
C18:3	LINOLENIC	<0.5	-
C20:0	ICOSANOIC	<0.5	-
C20:1	ICOSENOIC	<0.5	-
C22:0	DOCOSANOIC	<1.0	-
	OTHERS	<1.0	-

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Safflower Oil Hi-Linoleic Organic - COA