

# AKÖMA™

## FROM THE HEART

### CERTIFICATE OF ANALYSIS HEMP SEED OIL ORGANIC

#### DESCRIPTION

PRODUCT: HEMP SEED OIL ORGANIC, COLD PRESSED

INCI NAME: CANNABIS SATIVA OIL

CAS No: 89958-21-4

EINECS No: 289-644-3

MANUFACTURING METHOD: COLD PRESSED

#### CHARACTERISTICS

ANALYTICAL DETAILS	RANGE %	RESULT
APPEARANCE	LIGHT YELLOW – GREEN OILY LIQUID	CONFORMS
COLOUR (GARDNER)	<18.0	15.3
ODOUR	CHARACTERISTIC	CONFORMS
SPECIFIC GRAVITY @ 20°C	0.923 – 0.930	0.9232
REFRACTIVE INDEX @ 20°C	1.470 – 1.485	1.4783
SAPONIFICATION VALUE	188 – 195	189.0
UNSAAPONIFIABLE MATTER	<2.5	0.94
ANISIDINE VALUE	<15.0	0.9
PEROXIDE VALUE (MEQ O <sub>2</sub> / KG)	<20.0	3.3
ACID VALUE	<4.0	2.07
MOISTURE	<0.1	<0.1
SALMONELLA (CFU/G)	ABSENT	ABSENT
E. COLI (CFU/G)	ABSENT	ABSENT
YEAST & MOULDS (CFU/G)	<100	<1
TOTAL VIABLE COUNT OR TOTAL PLATE COUNT (CFU/G)	<1000	<10

FATTY ACID PROFILE	ACID NAME	RANGE %	RESULTS
C-CHAIN			
C16:0	PALMITIC	4.0 – 8.0	6.2
C18:0	STEARIC	1.0 - 5.0	2.6
C18:1	OLEIC	5.0 – 20.0	12.2
C18:2	LINOLEIC	45.0 – 69.0	55.0

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*Hemp Seed Oil Organic - COA*

C18:3	ALPHA LINOLENIC	14.0 – 28.0	17.3
C18:3	GAMMA LINOLENIC	<5.0	3.5

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