



## CERTIFICATE OF ANALYSIS

**PRODUCT NAME: HEMP SEED OIL, COLD PRESSED ORGANIC**

**LOT NUMBER: LOT0002324**

PRODUCT INCI: CANNABIS SATIVA OIL

PRODUCT CODE: K0224

CAS NUMBER: 89958-21-4

EINECS NUMBER: 289-644-3

MANUFACTURING METHOD: COLD PRESSED

MANUFACTURING DATE: 31/01/2019

BEST BEFORE DATE: 31/07/2020

ANALYTICAL DETAILS	RANGE %	RESULTS
APPEARANCE	LIGHT YELLOW – GREEN OILY LIQUID	-
COLOUR (GARDNER)	<18.0	16.6
ODOUR	CHARACTERISTIC	-
SPECIFIC GRAVITY @ 20°C	0.923 – 0.930	0.9237
REFRACTIVE INDEX @ 20°C	1.470 – 1.485	1.4788
SAPONIFICATION VALUE	188 - 195	193.5
UNSAAPONIFIABLE MATTER	<2.5	0.74
ANISIDINE VALUE	<15.0	1.4
PEROXIDE VALUE	<20.0	4.8
ACID VALUE	<4.0	4.0
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		RANGE %	RESULTS
<b>C-CHAIN</b>	<b>ACID NAME</b>		
C16:0	PALMITIC	4.0 – 8.0	6.0
C18:0	STEARIC	1.0 - 5.0	2.1
C18:1	OLEIC	5.0 – 20.0	7.3
C18:2	LINOLEIC	45.0 – 69.0	54.4
C18:3	ALPHA LINOLENIC	14.0 – 28.0	20.4
C18:3	GAMMA LINOLENIC	<5.0	4.4

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