

CERTIFICATE OF ANALYSIS

PRODUCT NAME: SAFFLOWER HIGH LINOLEIC OIL, COLD PRESSED ORGANIC

Bomar: P00329 (LOT0009798)

PRODUCT INCI: CARTHAMUS TINCTORIUS OIL

PRODUCT CODE: K0404

CAS NUMBER: 8001-23-8

EINECS NUMBER: 232-276-5

MANUFACTURING METHOD: COLD PRESSED

MANUFACTURING DATE: 22/12/2020

BEST BEFORE DATE: 22/06/2022

ANALYTICAL DETAILS	RANGE %	RESULTS
APPEARANCE	OILY LIQUID	-
ODOUR	CHARACTERISTIC	-
COLOUR	ORANGE – YELLOW - GOLDEN	-
REFRACTIVE INDEX @ 20°C	1.460 – 1.480	1.476
SPECIFIC GRAVITY @ 20°C	0.917 – 0.924	0.922
ACID VALUE	<10.0	0.24
PEROXIDE VALUE (MEQ O ₂ / KG)	<20.0	0.9
IODINE VALUE	104.0 – 152.0	145.0
SAPONIFICATION VALUE	180.0 – 200.0	191.0
UNSAAPONIFICATION VALUE	<20.0	0.87

FATTY ACID PROFILE		RANGE %	RESULTS
C-CHAIN	ACID NAME		
C14:0	MYRISTIC	<0.2	-
C16:0	PALMITIC	4.0 – 12.0	5.95
C18:0	STEARIC	1.0 - 7.0	2.78
C18:1	OLEIC	8.0 – 21.0	18.8
C18:2	LINOLEIC	68.0 – 83.0	71.41
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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