



NHR ORGANIC OILS
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Certificate of Analysis Sheet

Organic Safflower Oil (*Carthamus tinctorius*)

BATCH NUMBER: 280622-4
ORIGIN: AUSTRALIA
PRODUCT INCI: CARTHAMUS TINCTORIUS SEED OIL
CAS NUMBER: 8001-23-8
EINECS NUMBER: 232-276-5
MANUFACTURING METHOD: COLD PRESSED

ANALYTICAL DETAILS	RANGE %	RESULTS
APPEARANCE	OILY LIQUID	-
ODOUR	CHARACTERISTIC	-
COLOUR	YELLOW - GOLDEN	-
REFRACTIVE INDEX @ 20°C	1.460 – 1.480	1.476
SPECIFIC GRAVITY @ 20°C	0.917 – 0.924	0.922
ACID VALUE	<5.0	0.48
PEROXIDE VALUE (MEQ O ₂ / KG)	<20.0	0.7
IODINE VALUE	130.0 – 155.0	142.5
UNSATURATION VALUE	<15.0	7.50

FATTY ACID PROFILE		RANGE %	RESULTS
C-CHAIN	ACID NAME		
C16:0	PALMITIC	4.0 – 12.0	6.16
C18:0	STEARIC	1.0 - 7.0	2.9
C18:1	OLEIC	8.0 – 21.0	9.2
C18:2	LINOLEIC	68.0 – 83.0	80.44

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