



NHR ORGANIC OILS
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Certificate of Analysis Sheet
Organic Evening Primrose Oil
(Oenothera biennis)

CERTIFICATE OF ANALYSIS

PRODUCT NAME: EVENING PRIMROSE OIL, COLD PRESSED ORGANIC

BATCH NUMBER: 310322-4

PRODUCT INCI: OENOTHERA BIENNIS OIL

CAS NUMBER: 90028-66-3

EINECS NUMBER: 289-859-2

MANUFACTURING METHOD: COLD PRESSED

ANALYTICAL DETAILS	RANGE %	RESULTS
APPEARANCE	OILY LIQUID	-
ODOUR	CHARACTERISTIC	-
COLOUR	PALE YELLOW - GREEN	-
COLOUR (GARDNER)	<12.0	CONFORMS
REFRACTIVE INDEX @ 20°C	1.476 – 1.482	1.477
SPECIFIC GRAVITY @ 20°C	0.920 – 0.932	0.924
PEROXIDE VALUE (MEQ O ₂ / KG)	<20.0	1.36
IODINE VALUE	125.0 – 165.0	143.0
SAPONIFICATION VALUE	180.0 – 199.0	186.0
UNSATURATED MATTER	<2.0	0.80
ACID VALUE	<2.0	0.63

FATTY ACID PROFILE		RANGE %	RESULTS
C-CHAIN	ACID NAME		
C16:0	PALMITIC	4.0 – 10.0	6.37
C16:1	PALMITOLEIC	<0.5	0.10
C18:0	STEARIC	1.0 - 4.0	2.14
C18:1	OLEIC	5.0 – 12.0	6.64
C18:2	LINOLEIC	65.0 – 85.0	74.04
C18:3	GAMMA LINOLENIC	>9.0	9.34
C20:0	ARACHIDIC	<1.0	0.16
C22:0	BEHENIC	<0.5	0.16
C20:1	EICOSAENOIC	<0.5	0.15
C24:0	LIGNOCERIC	<1.0	0.20