



NHR ORGANIC OILS
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Certificate of Analysis Sheet

Organic Evening Primrose Oil (*Oenothera biennis*)

BATCH NUMBER: 071222-7
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	1.35
IODINE VALUE	125.0 – 165.0	145.0
SAPONIFICATION VALUE	180.0 – 199.0	185.0
UNSAAPONIFIABLE MATTER	<2.0	0.80
ACID VALUE	<2.0	0.36

FATTY ACID PROFILE		RANGE %	RESULTS
C-CHAIN	ACID NAME		
C16:0	PALMITIC	4.0 – 10.0	6.54
C16:1	PALMITOLEIC	<0.5	0.10
C18:0	STEARIC	1.0 - 4.0	2.12
C18:1	OLEIC	5.0 – 12.0	7.21
C18:2	LINOLEIC	65.0 – 85.0	73.65
C18:3	GAMMA LINOLENIC	>9.0	9.41
C20:0	ARACHIDIC	<1.0	0.24
C22:0	BEHENIC	<0.5	0.17
C20:1	EICOSAENOIC	<0.5	0.16
C24:0	LIGNOCERIC	<1.0	0.20

The attached information is considered to be correct at the time the client received this information. Please be aware that detail can change and we encourage clients to update their records with NHR Organic Oils regularly. The information is not and should not be considered a guarantee or warranty, or a part of our contractual or other legal obligations.