



NHR ORGANIC OILS
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Product Specification

Organic Evening Primrose Oil (*Oenothera biennis*)

PRODUCT INCI: OENOTHERA BIENNIS OIL
CAS NUMBER: 90028-66-3
EINECS NUMBER: 289-859-2
MANUFACTURING METHOD: COLD PRESSED

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

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

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