

CERTIFICATE OF ANALYSIS

PRODUCT NAME: EVENING PRIMROSE OIL, REFINED

LOT NUMBER: LOT0002418

PRODUCT INCI: OENOTHERA BIENNES OIL

PRODUCT CODE: K0183

CAS NUMBER: 90028-66-3

EINECS NUMBER: 289-859-2

MANUFACTURING METHOD: COLD PRESSED, REFINED

MANUFACTURING DATE: 11/02/2019

BEST BEFORE DATE: 11/02/2021

ANALYTICAL DETAILS	RANGE %	RESULTS
APPEARANCE	OILY LIQUID	-
ODOUR	ODOURLESS	-
COLOUR	CLEAR – LIGHT YELLOW	-
COLOUR GARDNER	< 7.0	4.0
SPECIFIC GRAVITY @ 20°C	0.920 – 0.935	0.923
REFRACTIVE INDEX @ 20°C (NR)	1.475 – 1.484	1.478
PEROXIDE VALUE (MEQ O ₂ / KG)	<15.0	1.3
ANISIDINE VALUE	<15.0	-
ACID VALUE	<1.0	0.47
SAPONIFICATION VALUE (MG KOH/GR)	180 – 195	190.6
UNSATURATED MATTER	< 2.5	1.2

FATTY ACID PROFILE		RANGE %	RESULTS
C-CHAIN	ACID NAME		
C16:0	PALMITIC	4.0 – 10.0	7.8
C18:0	STEARIC	1.0 – 4.0	1.9
C18:1	OLEIC	5.0 – 12.0	5.4
C18:2	LINOLEIC	65.0 – 85.0	73.2
C18:3	GAMMA-LINOLENIC	>9.0	10.1