

## Product Specification

Spec Ref No	EPRO1	Issue Date	01/02/05
Product Name	Refined Evening Primrose Oil 9% GLA		
Latin Name	<i>Oenothera Biennis</i>		
Origin	UK/China/New Zealand ( subject to source of seed)		
Description & Principal Applications	A yellow to pale yellow oil extracted from Evening Primrose seed by a combination of cold pressing and low temperature solvent extraction, followed by refining. This product is rich in key Essential Fatty Acids such as GLA and is therefore useful in both dietary supplement and skin care applications.		

Test Parameter	Range/Max/Min	Typical Value
Acid Value	0.1 – 1.0max	0.6
Peroxide Value	0-5max	1.5
Iodine Value	145-165	155
Unsap. Matter	2.5max	1.6
Colour Lovibond 5¼ cell	3.0 red 30 yellow	1.6red 16 yellow
Fatty Acid Profile ( Key Fatty Acids)		
Fatty Acid	Range/Max/Min	Typical Value
C16:0	5.0-7.0	6.4
C18:0	1.0-3.0	2.1
C18:1	7.0-12.0	8.7
C18:2	60.0-75.0	72.0
C18:3 ALA	0.5max	0.3
C18:3 GLA	9.0 min	9.3
C18:4 SDA	-	-
C20:0	0.6 max	0.3
C20:1	1.0 max	0.3
C22:0	<1.0	-
C22:1	<0.3	-

Additives Added	None unless requested
Additional information	Fatty Acid Analysis confirmed by independent lab – normally SCRI
Shelf Life	This product should remain within specification for 12 months from date of manufacture provided that it is stored correctly. Northstar do not provide any warranty or return policy for drums once opened for anything other than initial sampling purposes. Part drums should be purged with nitrogen to enhance shelf life

Note:

This specification is issued by and for Northstar Lipids (UK) Ltd as supplier and serves as a guide as to the quality of the product to be supplied. The specification has been compiled using data from at least 3 commercial production batches of material. However, due to the natural variation that occurs in the raw materials and the climate changes that affect crop production, some parameters may, on occasion, fall outside their normal range. Northstar will notify you in advance if any of the parameters on any stock batch fall outside of specification.



Northstar Lipids (UK) Ltd

2 Daubeney Avenue

Saxilby

LN1 2WA

Tel/Fax : +44 (0) 1522 858427

Mobile : +44 (0) 7835 700467

E mail : [northstarlipids@ntlworld.com](mailto:northstarlipids@ntlworld.com)