

Vitasterol® S-80 Esterified Non GMO
(Mixed phytosterols esters concentrate)**Names:**

Chemical name: Phytosterol Esters

Description:

“Vitasterol® S-80 esterified Non GMO” is a light yellow liquid viscous, having a slight characteristic vegetable oil aroma. “Vitasterol® S-80 esterified Non GMO” obtained by esterification of free plant sterols with fatty acids from vegetable oil (rapeseed).

“Vitasterol® S-80 esterified Non GMO” is a concentrated form of phytosterol esters (mainly Beta-sitosterol, Campesterol, Stigmasterol and Sitostanol).

Standards:

Produced under ISO 9001 standards, current GMPs, Non GMO, PCR negative, Kosher, Halal.

General Characteristics:

Appearance: Light yellow (liquid, above 45°C)
Creamy White (solid, ambient temperature)

Odour: Slightly vegetable oil

Taste: Little to none

Colour (Gardner units) (liquid): 12 max.

Acidity (rapeseed fatty acids): 0.5% max.

Rapeseed fatty acid profile.

	Min(%)	Max(%)
C16 fatty acids	4	6
C18 fatty acids	1	3
C18:1 fatty acids	55	65
C18:2 fatty acids	18	25
C18:3 fatty acids	6	12
>C18:3 fatty acids	-	5

Molecular weight:

(Calculated for each sterol as the oleic acid ester)

Campesterol ester	667.11
Stigmasterol ester	679.12
B-Sitosterol ester	681.14

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Standard Specifications:

Total free sterols and sterol ester content (%):	99 % min
Total sterol ester content (%)	98 % min
Total sterols content calculated (%)	60 % min
Total free sterols content (%)	2 % max

Beta-sitosterol:	< 80%	Brassicasterol:	< 3
Campsterol:	< 40%	Campestanol:	<5%
Stigmasterol:	< 30%	B-Sitostanol:	<15%
Other sterols:	< 3%		

Ingredients:

Antioxidants: mixed tocopherols derived from soya IP
 Ascorbyl Palmitate

Microbiological tests (cfu/g):	<i>E. Coli:</i>	None/g
(EP, RD 3177/83)	<i>Salmonella:</i>	None/10g
	<i>Lysteria Monocytogenes :</i>	None/10g
	<i>Shigella :</i>	None/10g
	<i>Clostridium Perfringens :</i>	None/g
	<i>Staphylococcus Aureus :</i>	None/g
	<i>Enterobacteriaceae:</i>	max 100/g
	<i>Total Aerobic Count:</i>	max 1000/g
	<i>Yeast & Moulds:</i>	max 100/g

Irradiation: This product has not been irradiated.

Viscosity (30°C): 2400 – 2700 cP

Specific gravity 25°C: 0.91 – 0.98 g/cm³

Uses:

“Vitasterol® S-80 esterified Non GMO” is widely used in food preparations or supplements as LDL cholesterol reducer.

Storage:

“Vitasterol® S-80 esterified Non GMO” shall be stored at ambient temperature, under dry conditions, protected from heat, light, moisture and oxygen, and in tightly closed containers.

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18 months at least from packaging date (unopened).

Packaging:

20 and 190 kg metallic drums (food grade) are supplied for this product.

Labelling:

All products produced using “Vitasterol® S-80 esterified Non GMO” may be labelled as “natural source vegetable sterol esters”.

Other information:

All orders and samples requested will be sent together with an Analysis Certificate. Material Safety data Sheet is available upon request.

Contact us through our Fax: +34 925 851021; Tel: +34 925 851013; e-mail: quality@vitaenaturals.com or through our web-site at: www.vitaenaturals.com and your request will be attended by our local representative.

All information contained here is intended to be accurate. Anyway, this document is provided for your guidance only. We recommend testing the product for your particular purpose, prior to be used in the industrial process.