

TECHNICAL DATA SHEET

Phytosterol Ester

Chemical Properties

Name: Beta-Sitosterol

Cas No.: 83-46-5

Name: Stigmasterol

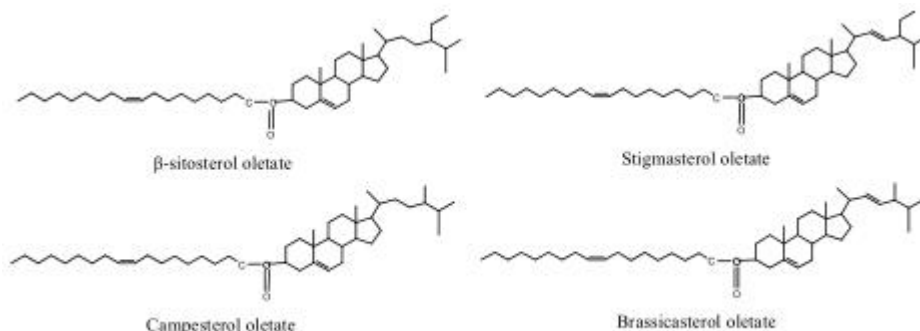
Cas No.: 83-48-7

Name: Campesterol

Cas No.: 474-62-4

Name: Brassicasterol

Cas No.: 474-67-9



Description

Phytosterol esters is a kind of light yellow oil with high viscosity when above 50°C. It is obtained by esterification of free plant sterols with fatty acids.

Solubility

Soluble in fats and oils.

Specification

Item	Specification	Test Method
Appearance	Light yellow and a little viscous paste.	Organoleptic
Odor	Odorless	Organoleptic
Phytosterol and Phytosterol Ester	Min 97.0%	In-house
Phytosterol Ester	Min 90.0%	In-house
Free Phytosterol	Max 6.0%	In-house
Total Phytosterol	Min 59.0%	In-house
Acid Value	Max 1.0 mgKOH/g	In-house
Peroxide Value	Max 5.0 meq/kg	In-house
Loss on drying	Max 1.0%	In-house
Heavy Metals	Max 10ppm	In-house
Total Plate Count	Max 1000cfu/g	In-house
Yeast & Mold	Max 100cfu/g	In-house
<i>E. Coli</i>	Negative	In-house
<i>Salmonella</i>	Negative	In-house

Ingredients

Phytosterol and Phytosterol Ester min 97%

Labeling

In the United States and the European Union: Phytosterol Ester

Applications

It has a significant effect of lowering serum cholesterol, so widely be added into food and supplements. It can also be used in cosmetics serving as the skin care nutrient, humectant and emulsifier.

Safety

This product is safe for the intended use. Avoid ingestion, inhalation of dust or direct contact by applying suitable protective measures and personal hygiene. See Material Safety Data Sheet for full safety information.

Handling recommendations

Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe dust. Avoid contact with eyes. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If you feel unwell, seek medical attention and show the label when possible.

Packaging, Storage & Shelf Life

Package	20kg /drum;or according to customers' requirements.
Storage	Store in a well-closed container away from moisture and direct sunlight.
Shelf Life	12 months if sealed and stored properly.