

PRODUCT DESCRIPTION - PD 594-24.0EN

Material no. 033624

GRINDSTED® PGPR 90 KOSHER

Polyglycerol Polyricinoleate

Description

GRINDSTED® PGPR 90 KOSHER is a polyglycerol ester of polycondensed fatty acids from castor oil.

Application areas

Low-fat spread (10-41% fat), chocolate, compound coatings and ice cream coatings.

Potential benefits

- Ensures a very stable emulsion in low fat spread
- Compound coatings, chocolate, ice cream coating: cost saving, fat reduction, convenient production, improves stability against water and high humidity
- Excellent water binding effect, which can stabilize unstable w/o emulsions

Usage levels

(Based on total product, unless indicated otherwise.)

Low-fat spread	0.1-0.4 %
Chocolate, compound coatings and ice cream coatings	0.1-0.3 %

Composition

GRINDSTED® PGPR 90 KOSHER is a polyglycerol ester of poly-condensed ricinoleic acid (E476) with antioxidants added:

Alpha-tocopherol (E307) max. 200 ppm

Citric acid (E330) max. 200 ppm

The citric acid is dissolved in:

Propylene glycol (E1520) max. 50 ppm

Physical/chemical specifications

(Methods of analysis available on request)

Acid value	max. 6
Iodine value	72-103
Hydroxyl value	80-100
Form	liquid

Microbiological specifications

Total plate count	max. 5,000 /g
Yeast and mould	max. 100 /g
Enterobacteria	absent in 1 g
Salmonella	absent in 25 g

Heavy metal specifications

Arsenic (As)	max. 3 mg/kg
Lead (Pb)	max. 1 mg/kg
Mercury (Hg)	max. 1 mg/kg
Cadmium (Cd)	max. 1 mg/kg

Nutritional data

(Approximate values for nutrition labelling per 100 g)

Energy	900/3,700 kcal/kJ
Protein	not applicable
Carbohydrate	not applicable
- of which sugars	not applicable
Fat	100 g
-of which saturates	2 g
Fibre	not applicable
Sodium	not applicable
Trans fatty acid	< 2 %

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Storage

Store in unbroken packaging under conditions preferably not exceeding 10°C/50°F and 80% relative humidity. Keep away from sunlight and odorous products.

Total shelf life 12 months

Shelf life is stated as a min. from date of production when the product is stored in unbroken packaging and provided that the storage conditions specified are observed.

Packaging

Can (polyethylene)	25 kg
Industry pallet	800 kg
Customs tariff no.	382490
Tara weight	1.2 kg

Purity and legal status

GRINDSTED® PGPR 90 KOSHER meets the specifications laid down by the FAO/WHO and the EU and US food grade specifications/requirements.

GRINDSTED® PGPR 90 KOSHER is covered by EU reference No. E476 and is generally recognized as safe (GRAS) in the US, based on 21 CFR 170.30.

Local food regulations should always be consulted concerning the status of this product, as legislation regarding its use in food may vary from country to country. Advice regarding the legal status of this product may be obtained on request.

Safety and handling

A Material Health and Safety Data Sheet is available on request.

Country of origin

Denmark

Kosher status

Product is Kosher certified.

GMO status

According to regulations EC Nos. 1829/2003 and 1830/2003: The raw materials used in the production of this product do not contain or consist of GMOs, and they are not produced from GMOs. The raw material can be traced back to its origin. Adventitious and unavoidable GM cross contamination is not exceeding the limit of 0.9%. Questionnaire has been used as documentation.

According to regulations EC Nos. 1829/2003 and 1830/2003: Microorganisms used for the production of citric acid are not genetically modified microorganisms. Substrates and carriers do not contain or consist of GMOs and are not produced from GMOs. Questionnaire has been used as documentation.

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Allergens

Below table indicates the presence (as added component) of the following allergens and products thereof:

Yes	No	Allergens	Description of components
	X	Cereals containing gluten	
	X	Crustaceans	
	X	Eggs	
	X	Fish	
	X	Peanuts	
	X	Soybeans	
	X	Milk (including lactose)	
	X	Nuts	
	X	Celery	
	X	Mustard	
	X	Sesame seeds	
	X	Sulphur dioxide and sulphites (>10 mg/kg)	
	X	Lupin	
	X	Molluscs	

According to Regulation (EU) No 1169/2011, wheat based glucose syrups including dextrose and products thereof as well as fully refined soybean oil and fat and products thereof are exempt from allergen labelling requirements.