

**PRODUCT DESCRIPTION - PD 598-24.1EN****Material no. 101349****GRINDSTED® PGE 20 VEG MB**

Polyglycerol Ester

**Description**

GRINDSTED® PGE 20 VEG MB is a polyglycerol ester made from edible, refined soya bean and palm based oil, produced in accordance with the requirements of RSPO supply chain model for Mass Balanced sustainable palm oil, and in which the polyglycerol moiety is mainly di-, tri-, and tetraglycerol.

Certificate Number BMT-RSPO-000025

**Application areas**

Cake and cream margarine.

**Potential benefits**

- Improves whipping properties
- Ensures large cake volume
- Ensures uniform crumb structure

**Usage levels**

(Based on total product, unless indicated otherwise.)

Cake and cream  
margarine:

|                           |       |
|---------------------------|-------|
| GRINDSTED® PGE 20<br>VEG  | 1 % + |
| DIMODAN® HP or P<br>PEL/B | 0.5 % |

**Composition**

GRINDSTED® PGE 20 VEG MB is a polyglycerol ester (E 475) added:

Citric acid (E 330) max. 175 ppm  
Alpha-tocopherol (E307) max. 700 ppm

Dissolved in  
Propylene glycol (E1520) max. 175 ppm

EU-approved additives authorized for use in food emulsifiers. Considered as carry-over and do as such not have to be declared in end-product.

**Physical/chemical specifications**

(Methods of analysis available on request)

|                      |               |
|----------------------|---------------|
| Iodine value         | approx. 80    |
| Saponification value | 140-155       |
| F.F.A.               | max. 2 %      |
| Completely melted at | approx. 40 °C |
| Form                 | paste         |

**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) | Not more than 0.1 mg/kg |
| Lead (Pb)    | Not more than 0.3 mg/kg |
| Mercury (Hg) | Not more than 0.1 mg/kg |
| Cadmium (Cd) | Not more than 0.1 mg/kg |

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**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 | 35 g              |
| Fibre               | not applicable    |
| Sodium              | not applicable    |
| Trans fatty acid    | < 1 %             |

**Storage**

GRINDSTED® PGE 20 VEG MB should be stored in unbroken packaging under conditions 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.

Please note, when stored above 10 °C some separation may occur. In case of separation, we recommend homogenization before use by heating up to 45°C.

**Packaging**

|                    |        |
|--------------------|--------|
| Industry pallet    | 800 kg |
| Can (polyethylene) | 25 kg  |
| Customs tariff no. | 382499 |

**Purity and legal status**

GRINDSTED® PGE 20 VEG MB meets the specifications laid down by the FAO/WHO, the EU and the Food Chemicals Codex. GRINDSTED® PGE 20 VEG MB is covered by EU reference No. E 475 and by US FDA 21 CFR 172.854.

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                                  | Refined soybean oil       |
|     | 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.