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Valid from: March 16, 2016

**ОПИСАНИЕ ПРОДУКТА - PD 154-18.0EN**

**GRINDSTED® CITREM N 12 VEG MB**

Эфиры лимонной кислоты

**Описание**

GRINDSTED® CITREM N 12 VEG MB is a partially neutralised citric acid ester of mono-diglyceride made from edible, fully hydrogenated palm based oil, produced in accordance with the requirements of RSPO supply chain model for Mass Balanced sustainable palm oil.

Certificate Number BMT-RSPO-000025

**Application areas**

Emulsified meat ("Leberwurst") and fine foods. Beverage whiteners – e.g. sweet condensed whitener.

**Potential benefits**

* Enhances stability of the established fat emulsion
* Provides creaminess to emulsions in fine foods

**Usage levels**

|  |  |
| --- | --- |
| (Based on total product, unless indicated otherwise.) |  |
| Emulsified meat | 0.3 % |
| Fine foods | 0.2-0.5 % |

**Physical/chemical specifications**

|  |  |
| --- | --- |
| (Methods of analysis available on request) |  |
| Citric acid | min. 13 % |
| Acid value | 10-25 |
| Saponification value | 220-250 |
| Iodine value | max. 3 |
| pH in aqueous dispersion | 5-6 |
| (5%) |  |
| Dropping point | approx. 64 °C |
| Form | coarse powder |

**Material no. 093224**



**Микробиологическая спецификация**

|  |  |  |
| --- | --- | --- |
| ОМЧ | max. 5,000 | /g |
| Дрожжи и плесени | max. 100 | /g |
| Энтеробактерии | отсутствие в 1 g | |
| Salmonella | отсутствие в 25 g | |

**Содержание тяжелых металлов**

Мышьяк (As) max. 3 mg/kg

Свинец (Pb) max. 2 mg/kg

Ртуть (Hg) max. 1 mg/kg

Кадмий (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 | 98 g |
| Fibre | not applicable |
| Sodium | 1 g |
| Trans fatty acid | < 1 % |

**Storage**

Should be stored cool and dry in unbroken packaging. Max 25ºC/77ºF. Max 80% relative humidity. Keep away from sunlight and odorous products.

Total shelf life 24 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.

The information contained in this publication is based on our own research and development work and is to the best of our knowledge reliable. Users should, however, conduct their own tests to determine the suitability of our products for their own specific purposes and the legal status for their intended use of the product. Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for the infringement of any patents.

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**PRODUCT DESCRIPTION - PD 154-18.0EN** **Material no. 093224**

**GRINDSTED® CITREM N 12 VEG MB**

Citric Acid Ester

**Packaging**

|  |  |
| --- | --- |
| Bag (paper) | 20 kg |
| Industry pallet | 600 kg |
| Customs tariff no. | 340490 |
| Tara weight | 0.5 kg |

**Purity and legal status**

The components in GRINDSTED® CITREM N 12 VEG MB meet the specifications laid down by the FAO/WHO and the EU. GRINDSTED® CITREM N 12 VEG MB is covered by the EU reference No. E 472c.

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.

**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.

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