

## PRODUCT DESCRIPTION - PD 226-18.0EN

Material no. 142683

### PANODAN® A2020 KOSHER DATEM

#### Description

PANODAN® A2020 KOSHER is a diacetyl tartaric acid ester of mono-diglycerides (DATEM) made from edible, fully hydrogenated rapeseed and/or palm based oil containing calcium carbonate as carrier in the following ratio:

80 % DATEM  
20% Calcium carbonate

#### Application areas

Yeast raised bread.

#### Potential benefits

- Improves volume of baked bread
- Improves dough stability
- Improves dough handling
- Provides tolerance towards variation in flour quality
- Provides tolerance towards variation in process parameters

#### Usage levels

(Based on total product, unless indicated otherwise.)

Bread 0.15-0.3 % of flour

#### Composition

PANODAN® A2020 KOSHER is composed of:  
DATEM (E 472e)  
Calcium carbonate (E 170)

#### Physical/chemical specifications

Specifications on the DATEM part  
(Methods of analysis available on request)

Saponification value	430-460
Acid value	65-85
Iodine value	max 2
Form	coarse powder

#### 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. 2 mg/kg
Mercury (Hg)	max. 1 mg/kg
Cadmium (Cd)	max. 1 mg/kg
Heavy metals (as Pb)	max. 10 mg/kg

#### Nutritional data

(Approximate values for nutrition labelling per 100 g)

Energy	500/2,200 kcal/kJ
Protein	not applicable
Carbohydrate	not applicable
- of which sugars	not applicable
Fat	80 g
-of which saturates	78 g
Fibre	not applicable
Sodium	not applicable
Trans fatty acid	< 1 %

## PRODUCT DESCRIPTION - PD 226-18.0EN

Material no. 142683

### PANODAN® A2020 KOSHER DATEM

#### Storage

Store 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 18 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

Tara weight 0.3 kg  
Industry pallet 600 kg  
Bag (paper) 20 kg  
Customs tariff no. 382490

#### Purity and legal status

The components in PANODAN® A2020 KOSHER meet the specifications laid down by the FAO/WHO and the EU. PANODAN® A2020 KOSHER is covered by the EU reference No. E 472e and E 170 calcium carbonate.

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.

#### 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	May contain wheat starch due to cross contamination. Max. 10 ppm.
	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 Directive 2007/68/EC: Wheat-based glucose syrups including dextrose and products thereof; and fully refined soybean oil and fat and products thereof are exempt from labelling according to Annex IIIa to Directive 2000/13/EC as regards certain food ingredients.