

## PRODUCT DESCRIPTION - PD 271940-1.0EN

Material no. 810006

### GRINDSTED® GUAR 250

USA

#### Description

GRINDSTED® GUAR 250 is a food grade guar gum used for thickening.

#### Usage levels

The following general guidelines can be given:  
Approx. 0.1-5% depending on application

#### Directions for use

We recommend dry mixing GRINDSTED® GUAR 250 with sugar or other dry ingredients before addition to water, stirring vigorously. Avoid extended heating in low pH medium.

#### Physical/chemical specifications

(Methods of analysis available on request)

Colour	Creamy-white to yellowish
Loss on drying	max. 13 %
pH (1% solution)	5.4 - 7.0
Protein	max. 5.0 % *
A.I.R.	max. 7 % *
Particle size	max. 5 % on 200 mesh (ASTM)

Viscosity at 25°C, 1%	
- after 2 hours	min. 4,100 mPa.s
- after 24 hours	min. 4,400 mPa.s

(Brookfield RVT, spindle no. 4, 20 rpm, 1% sol. 25° C)

\*tested and controlled according to a relevant sampling plan from raw materials, environment, in-process or end-product and not listed in our standard Certificate of Analysis.

#### Microbiological specifications

Total plate count	max. 5,000 /g
Yeast and mould	max. 300 /g
Coliforms	absent in 3 g
Salmonella	absent in 25 g

#### Heavy metal specifications

\*tested and controlled according to a relevant sampling plan from raw materials, environment, in-process or end-product and not listed in our standard Certificate of Analysis.

Arsenic (as As)	max. 3 mg/kg *
Lead (Pb)	max. 2 mg/kg *
Cadmium (Cd)	max. 1 mg/kg *
Mercury (Hg)	max. 1 mg/kg *
Heavy metals (as Pb)	max. 20 mg/kg *

#### Nutritional data

(Approximate values for nutrition labelling per 100 g)

Energy (kcal)	199
Fat	0.6 g
- Saturated Fat	0.1 g
- Monounsaturated Fat	0.2 g
- Polyunsaturated Fat	0.1 g
- Trans Fat	0 g
Cholesterol	0 mg
Sodium	9.8 mg
Carbohydrate	3.2 g
- Dietary fibre	81.6 g
- Total Sugars	0 g
- Added Sugars	0 g
Protein	4.3 g
Vitamin D	0 mcg
Calcium	43 mg
Iron	1.7 mg
Potassium	233 mg

(Calculated according to the current NLEA regulations)

#### Storage

Store cool and dry.

Shelf life is 24 months from the date of production.

#### Packaging

PE coated paper bag of 25 kg (55.1 lbs.)

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#### Purity and legal status

GRINDSTED® GUAR 250 meets the specifications laid down by the FAO/WHO, the EU, the Food Chemicals Codex and is covered by EU reference no. E412 and CFR 184.1339.

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 Safety Data Sheet (MSDS) is available on request.

#### Country of origin

India

#### Kosher status

This product is Kosher certified. A Kosher Certificate is available on request.

#### Halal status

This product is Halal certified. A Halal certificate is available on request.

#### GMO

GRINDSTED® GUAR 250 does not consist of, nor contain, nor is produced from genetically modified organisms according to the definitions of Regulation (EC) 1829/2003 and Regulations (EC) 1830/2003 of the European Parliament and of the Council of 22 September 2003.

#### 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	