



INTELART IMPORT S.L., NIF: B-01628056 Dirección: C/Mar, 98, 2-5, 08380 Malgrat de Mar, Barcelona, España

Description

GRINDSTED® LBG 247 is a pure high grade locust bean gum derived from the endosperm of the seed of the carob tree. It is an off-white powder containing only a few specks.

Application areas

Dressings; low-fat mayonnaise; ice cream; water ice; sherbet; cream cheese; sour cream and quark.

Potential benefits

- Provides improved mouthfeel and texture
- Gives freeze-thaw stability
- Reduces syneresis
- Provides shear resistant solutions

Usage levels

The following general guidelines can be given:

Dressing / low-fat mayonnaise	0.2-0.5 %
Cream cheese/sour cream	0.05-0.45 %

Directions for use

We recommend mixing GRINDSTED® LBG 247 with other dry ingredients, to optimise the dissolving and distribution. The dry blend should be added to liquid oil (1:2 ratio) before formation of the final dispersion. For ice cream production, GRINDSTED® LBG 247 can be added to the milk at any stage of the process prior to pasteurisation. For cream cheese and quark we recommend GRINDSTED® LBG 247 be added to the product after the fermentation step.

Physical/chemical specifications

(Methods of analysis available on request)

Colour	Creamy-white to yellowish
Loss on drying	max. 14 %
Ash at 800°C	max. 1.2 % *
Protein	max. 7.0 % *
Acid-insoluble matter	max. 4.0 % *
pH (1% solution)	5.0-7.0
Particle size	max. 2 % > 150 µm
Viscosity at production date	min. 2,800 mPa.s

(Brookfield RVT, spindle no. 3, 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

*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.

Total plate count	max. 5,000 /g
Yeast and mould	max. 300 /g
E. Coli	absent in 1.0 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 *



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Nutritional data

(Approximate values for nutrition labelling per 100 g)

Energy (kcal)	196
Energy (kJ)	784
Protein	5 g
Carbohydrate	0 g
- of which sugars	0 g
Fat	1 g
- of which saturates	0 g
Fibre	83 g
Sodium	0 g

Storage

In original and unopened packaging, at room temperature, protected from humidity, this product will maintain its initial functionalities for at least 24 months.

Packaging

Heavy-duty, poly-lined bags of 25 kg (55.1 lbs.)

Purity and legal status

GRINDSTED® LBG 247 meets the specifications laid down by the Japanese Standard for Food Additives, FAO/WHO, the EU, the Food Chemicals Codex and is covered by EU reference no. E410 and is approved as a GRAS material by the US Food and Drug Administration CFR 184.1343.

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

Spain

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® LBG 247 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.



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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	