



International Specialty Products

Sales Specification

MANUGEL® GMB - Sodium Alginate

Specification No. 1007

DESCRIPTION

MANUGEL GMB is a high viscosity, pure sodium alginate suitable for use in food products where high gel strength is required.

DETAILED REQUIREMENTS

1.	Viscosity (1% Solution)	110 -270 mPa.s (cP)
2.	pH (1% solution)	5.0-7.5
3.	Loss on Drying	not greater than 13%
4.	Particle Size	at least 98% through 355 µm at least 80% through 250 µm
5.	(a) Appearance	cream to light brown powder
	(b) Powder Colour	not less than 38
6.	Ash (on dried solids basis)	18-27%
7.	Lead (Pb)	not greater than 5 mg/kg (ppm)
8.	Arsenic (As)	not greater than 3 mg/kg (ppm)
9.	Copper (Cu)	not greater than 10 mg/kg (ppm)
10.	Zinc (Zn)	not greater than 10 mg/kg (ppm)
11.	Mercury (Hg)	not greater than 0.5 mg/kg (ppm)
12.	Cadmium (Cd)	not greater than 0.5 mg/kg (ppm)
13.	Microbiological Limits	
	Bacteria	not greater than 5000 cfu/g
	(Total viable mesophilic aerobic count)	
	Yeast & Mould	not greater than 300 cfu/g
	Coliform	negative by MPN
	E. coli	absent in 25 g
	Salmonella	absent in 25 g

INGREDIENTS

Sodium alginate E401

CAS: 9005-38-3

REGULATORY COMPLIANCE

Complies with Purity Criteria in current EC Directives

Kosher Approved

Food Chemicals Codex

Generally recognised as safe (GRAS) in accordance with 21 CFR 184.1724

QUALITY SYSTEM

MANUGEL GMB is manufactured according to a Quality System registered to ISO9002.

PACKAGING

MANUGEL GMB is packaged in 25 kg multi-ply paper sacks fitted with polyethylene liner or equivalent. All packaging materials comply with relevant UK, EC and United States food contact legislation.

STORAGE

Packages should be kept sealed and stored in a cool, dry place.

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