



International Specialty Products

Sales Specification

MANUCOL® LF - Sodium Alginate

Specification No. 1034

DESCRIPTION

MANUCOL LF is a low viscosity, pure sodium alginate suitable for use in food products.

DETAILED REQUIREMENTS

1.	Viscosity (1% Solution)	10 - 40 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 and Mould	not greater than 300 cfu/g
	Coliform	negative by MPN
	E. coli	absent in 25 g
	Salmonella	absent in 25 g

INGREDIENT

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

MANUCOL LF is manufactured according to a Quality System registered to ISO9002

PACKAGING

MANUCOL LF 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.