



## Manuacol® LKX Sodium Alginate, NF

### Product Specifications:

#### Chemical and Physical:

		<u>Test Methods</u>
Loss on drying	NMT 10%	SOM 1
Viscosity, 1% solution (On DM)	60 - 170 mPa.s	SOM 82B
pH, 1%	5.0 – 7.5	SOM 6
Particle size	NLT 98% through 250 microns NLT 95% through 63 microns	SOM 106
Calcium	NMT 0.5%	SOM 71
Appearance	light brown to cream	SOM 112
Powder colour	NLT 56	SOM 105
Opalescence	better than ref. solution II EP	SME 2240
Color BY6	conforms EP	SME 2241
Ash on DM (800c)	18.0- 27.0%	SOM 8C
Sulphated ash on DM (650c)	30 - 36%	SOM 8A
Chloride	NMT 1.0%	SOM 31
Sodium alginate content (assay)	90.8 - 106%	SOM 2F

#### Microbiological:

Total viable mesophilic aerobic count, USP	NMT 200 cfu/g	201C (EP)
Yeast and mould	NMT 200 cfu/g	203A (EP)
Salmonella	absent in 25g	205 (EP)
E. coli	absent in 25g	204A (EP)
Coliform	negative by MPN/ 25g	204 (EP)

#### Heavy Metals:

Copper	NMT 10 ppm	SOM 22
Zinc	NMT 10 ppm	SOM 22
Lead	NMT 5 ppm	SOM 22
Iron	NMT 400 ppm	SOM 22
Cadmium	NMT 0.5 ppm	SOM 22
Mercury	NMT 0.5 ppm	SOM 22
Arsenic	NMT 1.5 ppm	SOM 22

NMT = Not More Than  
NLT = Not Less Than



**Product Shelf-life / Re-evaluation Date**

Recommended store at cool and dry conditions. Keep containers sealed as material is hygroscopic. 12 months from date of manufacture, if storage conditions stated above are observed. DuPont recommends that after the above re-evaluation date, the customer considers that loss on drying, pH and viscosity are tested to establish whether material is still within listed specification.

Safety Data Sheets (SDS) available upon request.

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**Product Suitability**

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