



Protanal Ester® K3B426 NF Propylene glycol alginate

Product Specifications:

Chemical and Physical:

<u>Chemical and Physical:</u>		<u>Test Methods</u>
Viscosity (2% solution)	1000 - 1500 mPa•s (cP)	SOM 082Q
pH (2% solution)	3.4 - 4.0	SOM 006
Loss on drying	5 - 15%	SOM 001
Particle size	at least 98% through 60 mesh (250 micron) at least 91% through 80 mesh (180 micron)	SOM 106
Powder color	NLT 64	SOM 105B
Lead	NMT 5 mg/kg (ppm)	SOM 022
Arsenic	NMT 3 mg/kg (ppm)	SOM 022

Microbiological:

Bacteria (total viable mesophilic aerobic count)	NMT 200 cfu/g	SOM 201
Yeast	NMT 100 cfu/g	SOM 203
Mold	NMT 100 cfu/g	SOM 203
Coliform	Negative by MPN	SOM 204
E. coli	Absent in 25 g	SOM 0130
Salmonella	Absent in 25 g	SOM 0156
Staphylococcus aureus	Absent in 1.0 g	SOM 206
Pseudomonas aeruginosa	Absent in 1.0 g	SOM 207
Ash	NMT 10%	SOM 008
Esterified carboxyl groups	40 - 85%	SOM 601
Free carboxyl groups	NMT 35%	SOM 601
Assay, % CO ₂	16 - 20%	SOM 652
Identification (A&B) (per methods of testing as indicated)	Pass	SOM 617

NMT = Not More Than

NLT = Not Less Than



Product Shelf-life / Re-evaluation Date

One year from date of manufacture shown on product label. Containers should be kept closed and stored in a cool, dry place.

Safety Data Sheets (SDS) available upon request.

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