

PRODUCT SPECIFICATION BULLETIN

Protanal[®] PH 1033 Sodium Alginate, NF

Chemical & Physical

		<u>Test Method</u>
Loss on drying	7 - 14%	SOM 1
Viscosity, 0.5% solution	300 - 800 mPa's	SOM 82Q
pH, 0.5%	6.4 - 8.5	SOM 6
Particle size, through 250 micron	NLT 98%	SOM 106
Particle size, through 180 micron	NLT 91%	SOM 106
Calcium	2 - 4%	SOM 7
Ash on DM (800c)	18.0 - 27.0%	SOM 8C
Sodium Alginate content (Assay)	90.8 - 106%	SOM 42
Powder colour	64 - 80	SOM 105

Microbiology

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)
Staphylococcus aureus	Absent in 0.5g	206 (EP)
E. coli	Absent in 25g	204 (EP)
Pseudomonas aeruginosa	Absent in 0.5g	207 (EP)
Coliform	Negative by MPN	204 (EP)

Heavy Metals

Total heavy metals	NMT 20 ppm	22
Lead	NMT 5 ppm	22
Arsenic	NMT 1.5 ppm	22

Storage conditions: Recommended store at cool and dry conditions. Keep containers sealed as material is hygroscopic.

Re-evaluation date: 8 months from date of manufacture, if storage conditions stated above are observed.

Re-evaluation requirements: FMC 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.

NLT = Not Less Than

NMT = Not More Than

**FMC Corporation
FMC BioPolymer**

United States:
Philadelphia, Pennsylvania
Sales/Technical

Assistance: 1 215 299 6534
Fax: 1 215 299 6669
Customer Service: 1 800 526 3649
Fax: 1 215 299 6475

Europe:
Brussels, Belgium
Sales/Technical

Assistance: + 32 2 775 8311
Fax: + 32 2 775 8300
Customer Service: + 353 21 4354 133
Fax: + 353 21 4353 057

Asia-Pacific:
Singapore

Tel: + 65 6430 0383
Fax: + 65 6430 0399

Tokyo, Japan

Tel: + 81 3 3402 3739
Fax: + 81 3 3402 3700

Shanghai, China

Tel: + 8621 5427 1177
Fax: + 8621 5427 0193

Latin America:

Montevideo, Uruguay

Tel/Fax: + 5982 6043030
Tel/Fax: + 5982 6043104

Middle East:

Amman, Jordan

Tel: + 962 6 4618150
Fax: + 962 6 4618156

Visit our web site at
www.fmcbiopolymer.com
e-Mail: pharm_info@fmc.com

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