



## SODIUM ALGINATE

Sodium alginate is derived from brown seaweeds. It provides a variety of functionality in food products including gel formation, viscosity and stability. FMC BioPolymer produces sodium alginates from different brown seaweeds to optimize gel characteristics. Sodium alginate is available in a range of viscosities and particle size.

In Europe sodium alginate has the E number E401.

FMC BioPolymer grades of sodium alginate marketed under the trade names Manucol, Keltone, Kelvis, Kelcosol and Kelset are shown below.

Name	Viscosity <sup>1</sup>	Particle Size <sup>2</sup>	Applications
Manucol LD	10	250	Suitable for viscosity, freeze thaw stability and softer gels and fillings.
Manucol LF	25	250	
Keltone LV	35	106	
Manucol LHF	65	106	
Manucol DH	65	250	
Manucol DM	250	250	
Manucol DMF	300	106	
Keltone	340	180	
Manucol F	400	180	
Keltone HV	400	180	
Kelvis	760	106	Higher viscosity sodium alginates. For viscosity in fillings and sauces.
Kelcosol	1300	180	
Kelset	Gel (2%)	180	
Manugel GHB	75	250	Stronger gel type. Suitable for heat stable gels, fillings and structured foods.
Manugel GMB	200	250	
Manugel DJX	200	75	
Manugel DMB	300	106	
Manugel DPB	450	250	

<sup>1</sup> 1% solution unless specified.

<sup>2</sup> Size in microns, ~ 95% thru the corresponding mesh size.

In addition to the products listed above, FMC BioPolymer offers a wide range of sodium alginate under the Protanal, Textureze, Lactisol and Dariloid brand names. All sodium alginate products are standardized to obtain maximum performance in a given food application.



FMC BioPolymer

Know how. It works.

## SODIUM ALGINATE

### Key Properties

- Cold soluble gelling agent
- Reacts with calcium to form non-melting gels
- Can be hot or cold processed
- Provides heat stability in food products
- Improves freeze-thaw stability

For additional information on our product please contact FMC BioPolymer.

- For technical inquiries on FMC products, please call 800-526-3649.
- For technical inquiries on ISP products, please call 888-472-5446.

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