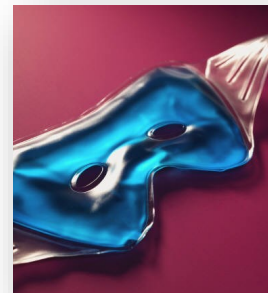


Sodium Alginate

INCI Name: Algin
CAS Numbers: 9005-38-3



Description:

Sodium Alginate consists mainly of the sodium salt of alginic acid, which is a mixture of polyuronic acids composed of residues of D-mannuronic acid and L-guluronic acid. Sodium Alginate is obtained mainly from algae belonging to the Phaeophyceae. Sodium Alginate is a natural, water-soluble polysaccharide that produces a gel consistency when hydrated. Sodium Alginate has been used in the medical field, in the food industry, and more recently in cosmetics as a skin care ingredient.

Technical Data:

Test	Limit	
	Min.	Max.
ASSAY (BASED ON A M.W. OF 222.00)	90.8 - 106.0 %	
ASH	18.0 - 27.0 %	
LOSS ON DRYING	--	15.0 %
MICROBIAL LIMITS	-- TO PASS TEST	
ARSENIC (As)	--	1.5 ppm
LEAD (Pb)	--	0.001 %
HEAVY METALS	--	0.004 %
IDENTIFICATION	-- TO PASS TEST	
EXPIRATION DATE		
MANUFACTURE DATE		

Applications

Sodium Alginate is used as a thickener, gelling agent, stabilizer and emulsifier. Cosmetic companies take advantage of sodium alginate because they use it to help retain moisture in cosmetics. In addition, shampoo companies use it as a bubble stabilizer and thickener. Skin care products use it as an emulsion stabilizer. While toothpaste companies' use it as a bonding agent. Since Sodium Alginate easily absorbs waters, many facial cosmetic products such as facial masks use it as a filmogen. Finally, Sodium Alginate also helps to hydrate, soothe, and soften skin.



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