



# American International Chemical, Inc.

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## SPECIFICATION SHEET

### POTASSIUM ALGINATE FCC

Code No.	SCN No.	CAS No.	Effective Date	Product Manager	Rev. No.	Approved By
PALMUP	2545	9005-36-1	October 29, 2007	DGC	Original	MPR

<b>CHARACTERISTICS:</b>	Potassium Alginate occurs as a white to yellow, fibrous or granular powder. It is the potassium salt of alginic acid. It dissolves in water to form a viscous colloidal solution. It is insoluble in alcohol and in hydroalcoholic solutions, in which the alcohol content is greater than 30% by weight. It is insoluble in chloroform, in ether, and in acids having a pH lower than about 3.
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<b>SPECIFICATIONS:</b>	Loss on drying	15.0% max
	Assay	89.2%-105.50%
	Identification	
	A	To pass test
	B	To pass test
	C	To pass test
	Arsenic	3 ppm max
	Lead	5 ppm max
	Viscosity @ 1% solids Brookfield LVT; 20RPM; #2spindle at 20 <sup>o</sup> C	400 cps min
	Microbial limits	
	Yeast and mold	200/g max
	Coliform bacteria	Negative

<b>STOCKING POINTS:</b>	Ridgeville, NJ
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<b>PACKAGING:</b>	25 kg fiber drums with polyethylene liner, other packaging options available.
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<b>APPLICATIONS:</b>	Is used as a thickener in the food industry and as a gelling agent, such as dental impression and other casting compounds where it can be formulated into compounds meeting the American Dental Association requirements. Also used in low salt food formulation and emulsifier.
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<b>SHELF LIFE AND STORAGE INSTRUCTIONS:</b>	Shelf life is two years from date of manufacture. Store away from moisture and high temperatures.
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