



American International Chemical, Inc.

Corporate Offices: (800) 238-0001

Internet: www.aicma.com Email: info@aicma.com

SPECIFICATION SHEET

CARBOMER 971P NF

(Kadpol 971P NF)

Carbomer Homopolymer Type A

Code No.	SCN No.	CAS No.	Effective Date	Product Manager	Rev. No.	Approved By
CRB971	2915	9003-01-4	July 5, 2011	MDS	Original	NSG

CHARACTERISTICS:	White powder with slightly acetic odor that is soluble in water, alcohol and glycols. Manufactured using ethyl acetate and cyclohexane and is benzene free.
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SPECIFICATIONS:	Assay (carboxylic acid groups)	56.0-68.0%
	Identification	
	A	To pass test
	B	To pass test
	C	To pass test
	D	To pass test
	Loss on drying	2.0% max
	Viscosity (0.5% water)*	4,000-11,000 cps
	Heavy metals	
	Pb	20 ppm max
	Pb, As, Hg, Sb	10 ppm max
	Residual Solvents	
	Ethyl Acetate	0.5% max
	Benzene	0.50 ppm max
	Sulphated ash (residue on ignition)	2.5% max
	Residual monomer (free acrylic acid)	1,000 ppm max
	Clarity % Transmission(neutralized solution, 420nm light) @ 0.5%	80% min
pH @ 0.5%	2.5 - 4.0%	
*Brookfield RVF or RVT Viscosity, (mPa•s)	20 rpm at 25°C, (neutralized solution)	

PACKAGING:	50 lb P.E. bag in cartons; 24 cartons per pallet or 1,200 lbs; 10 pallets per container (12,000 lbs).
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APPLICATIONS:	Thickening, suspending and stabilizer agent in oral care and cosmetic formulations. Superior to 941 because it is benzene free.
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SHELF LIFE AND STORAGE INSTRUCTIONS:	Retest after 4 years, if kept unopened in a cool and dry area away from heat and direct sunlight.
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