



American International Chemical, Inc.

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SPECIFICATION SHEET

CARBOMER 974 NF/EP

(Kadpol 974-P)

Carbomer Homopolymer Type B

Code No.	SCN No.	CAS No.	Effective Date	Product Manager	Rev. No.	Approved By
CR974P	2915	9003-01-4	June 30, 2011	MDS	No. 1	MPR

CHARACTERISTICS:	White powder with slightly acetic odor that is soluble in water, alcohol and glycols. Manufactured using ethyl acetate and is free benzene.
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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 (0.2% water)*	2,050-5,450 cps
	Viscosity (0.5% water)*	29,400-39,400 cps
	Heavy metals	
	Pb	20 ppm max
	Hg, As, Sb	10 ppm max
	Residual solvents	
	Ethyl Acetate	0.5% max
	Benzene	0.5 ppm max
	Residual monomer (free acrylic acid)	1,000 ppm max
	Sulphated ash (residue on ignition)	2.5% max
	Clarity @ 0.5% Transmission (neutralized solution, 420 nM light)	80% min
	pH (water dispersion) @0.5%	2.5-4.0
<i>*Brookfield RVF or RVT Viscosity, (mPa*s) 20 rpm at 25°C, neutralized solutions</i>		

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 934 grade 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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