



American International Chemical, Inc.

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SPECIFICATION SHEET

CARBOMER 981 NF/EP

(Kadpol 981)

Carbomer Homopolymer Type A

Code No.	SCN No.	CAS No.	Effective Date	Product Manager	Rev. No.	Approved By
CRB981	2915	9003-01-4	October 25, 2011	MDS	No. 2	CDS

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 (0.2% water)*	1,000-6,000 cps
	Viscosity (0.5% water)*	4,000-10,000 cps
	Heavy metals	
	Arsenic	2 ppm max
	Pb, As, Hg, Sb	10 ppm max
	Residual Solvents	
	Ethyl Acetate	0.3% max
	Cyclohexane	0.3% max
	Benzene	0.5 ppm max
	Sulphated ash (residue on ignition)	2.5% max
	Residual monomer (free acrylic acid)	2500 ppm max
	Clarity 0.5% transmission (neutralized solution 420 nM light)	80% min
	pH @0.5%	2.5 - 4.0
*Brookfield RVF or RVT Viscosity, (mPa•s)	20 rpm at 25°C, neutralized solutions)	

PACKAGING:	50 lb P.E. bag in cartons; 24 cartons per pallet or 1200lbs 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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