

# SPECIFICATION

<b>PRODUCT NAME</b>	:	<b>KADPOL™ 971P NF</b>
<b>General INCI Name</b>	:	CARBOMER HOMOPOLYMER TYPE A
<b>Appearance</b>	:	White Fluffy Powder Hygroscopic
<b>Odor</b>	:	Slightly Acetic
<b>Packing</b>	:	5 / 18 / 20 Kgs & 50 LB CARTON BOXES
<b>Storage</b>	:	Keep in Air Tight Container

	<b>Solubility</b>	<b>%SOLUTION</b>	<b>MINIMUM</b>	<b>MAXIMUM</b>
<b>Brookfield RVF or RVT Viscosity, (mPa*s):</b> (20 rpm at 25°C, neutralized solutions)	When Neutralize With Alkali Hydroxide Or Amine It Dissolve In Water Alcohol And Glycerin	0.5%	4,000	11,000
<b>Identification TEST</b>				
(A & B)				PASS
(C & D)				PASS
<b>Loss on Drying</b>				
Kadpol™ 971PNF	--	--	--	2.0%
<b>Heavy Metals</b>				
1) Total heavy metals as, Pb	--	--	--	20ppm
2) Hg, Pb, As, Sb,	--	--	--	10ppm
<b>Residual Solvent, %</b> (Ethyl Acetate)	--	--	--	0.5%
<b>Benzene, ppm</b>	--	--	--	0.50ppm
<b>Residual Monomer, ppm</b> (Free Acrylic Acid)	--	--	--	1000ppm
<b>Assay</b> (Carboxylic Acid group)	--	--	56.0%	68.0%
<b>Sulphated Ash%</b> (Residue on Ignition)	--	--	--	2.5%
<b>IN HOUSE SPECIFICATION</b>				
<b>Clarity % Transmission</b> (neutralized solution, 420 nM light)				
Kadpol™ 971PNF	--	0.5%	80%	--
<b>pH</b> , (Water Dispersion)	--	0.5%	2.5	4.0