

VANZAN NF

July 12, 2002

RTV Product Code: **70502**
 Composition: Xanthan gum
 Physical State: White to cream-colored free flowing powder

	<u>Specification</u>	<u>Test Method</u>
*Arsenic Content	2 ppm maximum	Current Volume USP/NF
*Ash Content	6.5-16.0%	Current Volume USP/NF
*Assay	91-108%	Current Volume USP/NF
*Fineness Through		Current Volume USP/NF
60 mesh, 0.250 mm	100%	
80 mesh, 0.180 mm	95% minimum	
*Heavy Metal Content	20 ppm maximum	Current Volume USP/NF
*Isopropanol Content	500 ppm maximum	Current Volume USP/NF
*Lead Content	2 ppm maximum	Current Volume USP/NF
*Loss on Drying	12.0% maximum	Current Volume USP/NF
*Organic Volatile Impurities	Pass USP	Current Volume USP/NF
*Other Polysaccharides	Pass EP	EP
*pH of a 1% Solution	6.0-8.0	Current Volume USP/NF
*Pyruvic Acid Content	1.5% minimum	Current Volume USP/NF
*Viscosity, Brookfield,	1400-1600 mPa.s	Current Volume USP/NF
#3 Spindle, 60 rpm		
at 25°C, 1% Vanzan NF		
in a 1% KCl solution		

Microbiological Assay

*Total Plate Count	1000/g maximum	Current Volume USP/NF
*E. coli	negative/25g	Current Volume USP/NF
*Coliforms	negative/25g	Current Volume USP/NF
*Enterococcus faecalis	negative/g	Current Volume USP/NF
*Molds	50/g maximum	Current Volume USP/NF
*Pseudomonas aeruginosa	negative/g	Current Volume USP/NF
*Salmonella	negative/25g	Current Volume USP/NF
*Staphylococcus aureus	negative/g	Current Volume USP/NF
*Viable Cells of Xanthanomonas campestris	negative/g	Current Volume USP/NF
*Yeasts	50/g maximum	Current Volume USP/NF

*Certified Property

Uses - Multipurpose thickener and viscosifier for pharmaceutical and personal care systems; emulsion and suspension stabilizer.