



R. T. Vanderbilt Company, Inc.

INDUSTRIAL MINERALS AND CHEMICALS

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Specification

VANZAN NF-F

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RTV Product Code: **70504**

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	91.0-108.0%	Current Volume USP/N
*Fineness through		Current Volume USP/NF
80 mesh, 0.180	100%	
200 mesh, 0.075mm	92% minimum	
*Heavy Metal Content	20 ppm maximum	Current Volume USP/NF
*Isopropanol Content	500 ppm maximum	Current Volume USP/NF
*Lead Content	5 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-F		
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	negative/g	Current Volume USP/NF
Xanthanomonas campestris		
*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.

Standard Container – 44.1 pound, (20 kilogram) carton