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## Specification [

## **VANZAN NF-C**

July 12, 2002

RTV Product Code: 70506

Composition: Xanthan gum

Physical State: White to cream-colored free flowing powder

	Specification	Test Method
*Arsenic Content *Ash Content *Assay *Clarity of Solution,Transmittance at 650 nm	2 ppm maximum 6.5-16.0% 91.0-108.0% 85% minimum	Current Volume USP/NF Current Volume USP/NF Current Volume USP/NF Current Volume USP/NF
*Fineness Through 60 mesh, 0.250 mm 80 mesh, 0.180 mm	100% 95% minimum	Current Volume USP/NF
*Heavy Metal Content *Isopropanol Content *Lead Content	20 ppm maximum 500 ppm maximum	Current Volume USP/NF Current Volume USP/NF
*Loss on Drying *pH of a 1% Solution	2 ppm maximum 12.0% maximum 6.0-8.0	Current Volume USP/NF Current Volume USP/NF Current Volume USP/NF
*Pyruvic Acid Content *Organic Volatile Impurities *Other Polysaccharides	1.5% minimum Pass USP Pass EP	Current Volume USP/NF Current Volume USP/NF EP
*Viscosity, Brookfield, #3 Spindle, 60 rpm USP24/NF19 at 25°C, 1% Vanzan in a 1% KCl solution	1300-1700 mPa	Current Volume USP/NF

## **Microbiological Assay**

*Total Plate Count	1000/g maximum	Current Volume USP/NF
*E. coli	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
*Coliforms	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 – Multi-purpose thickener and viscosifier for pharmaceutical and personal care systems; emulsion and suspension stabilzer.

Standard Container – 44.1 pound (20 kilogram) carton

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