



VANZAN® NF-C **Xanthan Gum**

January, 29, 2020

Product Code: 70506
Composition: Xanthan gum
Physical State: White to cream-colored free-flowing powder

	<u>SPECIFICATION</u>	<u>TEST METHOD</u>
*Arsenic Content	2 ppm maximum	USP/NF
*Ash Content	6.5 - 16.0%	USP/NF
*Assay	91.0 - 108.0%	USP/NF
*Clarity of Solution (Transmittance at 600 nm)	92% minimum	T-1130
*Fineness through		T-1133
60 mesh (0.250 mm)	99% minimum	
80 mesh (0.180 mm)	95% minimum	
*Identification	Conforms	USP/NF
*iso-Propanol Content	500 ppm maximum	USP/NF
*Lead Content	2 ppm maximum	USP/NF
*Loss on Drying	12.0% maximum	USP/NF
*pH, 1% Solution	6.0 - 8.0	Ph. Eur.
*Pyruvic Acid Content	1.5% minimum	USP/NF
*Viscosity, Brookfield	1300 - 1700 mPa.s	USP/NF
#3 Spindle, 60 rpm at 25°C, 1% Vanzan NF-C in 1% KCl solution		

Microbiological Assay

*Total Aerobic Microbial Count	1000 cfu/g maximum	T-1132
*Bile-tolerant gram-negative bacteria	negative/1g	T-1132
*E. coli	negative/25g	T-1132
*Pseudomonas aeruginosa	negative 1/g	T-1132
*Salmonella	negative/25g	T-1132
*Staphylococcus aureus	negative/1g	T-1132
*Total Yeast and Mold Count	100 cfu/g maximum	T-1132
*Viable Cells of Xanthanomonas campestris	negative/1g	T-1132

*Certified Property

Uses – Multi-purpose thickener and viscosifier for pharmaceutical and personal care systems; emulsion and suspension stabilizer.

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