



## Specification Sheet

### Xanthan Gum - Clear

CAS: 11138-66-2

Items	Specifications
Particle Size, % thru 80 mesh (180 µm)	Not less than 95
Loss on drying, %	Not more than 15
Appearance	Off-white powder
Hydration Rate, min	For Information Only
Viscosity (1% KCl Solution), cP	800 – 1300
Low Shear Viscosity, cP	250 – 600
pH (1% solution)	6.0 – 8.0
Transmittance, %	Not less than 85
Isopropyl Alcohol, ppm	Not more than 500
Bacteria (Viable Mesophilic), cfu/g	Not more than 1000
Bacteria (Viable Mesophilic-5 day), cfu/g	Not more than 2000
Fungal (Yeast & Mold) Count, cfu/g	Not more than 100
Coliform	Negative by MPN
E. coli	Absent in 25g
Salmonella spp.	Absent in 25g
Total Aerobic Plate Count cfu/g	Not more than 1000
Total Yeasts and Molds, cfu/g	Not more than 100
Escherichia coli	Absent in 1.0g
Salmonella spp.	Absent in 10.0g
Candida albicans	Absent in 1.0g
<p>At the time of shipment, the lot of product has been tested to comply with USP &lt;467&gt; Residual Solvents, and with the purity criteria defined in the monographs for xanthan gum in the current editions of the National Formulary, European Pharmacopeia and the Japanese Pharmaceutical Excipients. Where a guaranteed parameter has been tested on this lot, the result is shown below.</p>	
Viscosity Ratio	1.02 – 1.45
Identification	Passes Test
Pyruvic Acid, %	Not less than 1.5
Total Nitrogen, %	Not more than 1.5
Assay, % carbon dioxide	4.2 – 5.0
Assay, % xanthan gum	91.0 – 108.0
Ash, %	6.5 – 16.0

Total Heavy Metals, ppm	Not more than 10.0
Lead, ppm	Not more than 2.0
Arsenic, ppm	Not more than 2.0
Mercury, ppm	Not more than 1.0
Cadmium, ppm	Not more than 1.0
S. aureus	Absent in 1g
P. aeruginosa	Absent in 1g

Country of Origin: USA

Shelf-life & Storage: 3 years from the date of manufacture, if stored in sealed container under ambient conditions, protected from humidity and light.