

## XANTHAN GUM FOOD GRADE (80 MESH)

CAS No.: 11138-66-2  
EC No.: 234-394-2  
Conforms to: E415

### Specification:-

Appearance	Off-white or light yellow free flowing powder
Particle Size (through USS 80 mesh)	95 % min
Viscosity of 1% Xanthan Gum solution in 1% KCl (Brookfield LVDV- II +, 3# spindle, 60rpm, 25 ± 1°C)	1300 cP min
Assay	91 – 108 %
Loss on drying	13 % max
Shearing ratio	6.5 min
Ashes	13 % max
Total nitrogen (N)	1.5 % max
Pyruvic acid (C <sub>3</sub> H <sub>4</sub> O <sub>3</sub> )	1.5 % min
pH (1 % XG solution)	6 – 8
Ethanol and Propan-2-ol	500 ppm max
Total heavy metals (as Pb)	20 ppm max
Lead (Pb)	2 ppm max
Arsenic (As)	2 ppm max
Mercury (Hg)	1 ppm max
Cadmium (Cd)	1 ppm max
Total plate count	2000 cfu/g max
Yeasts & moulds count	100 cfu/g max
Coliform	3 mpn/100g max
Escherichia Coli, 5g	Negative
Salmonella	0/25g
Staphylococcus aureus	Negative
V1: V2	1.02 – 1.45
Xanthomonas campestris, 1g	Negative

XX01/49/25

2<sup>nd</sup> Issue