

CERTIFICATE OF ANALYSIS

Product Name	Xanthan Gum
INCI Name	Xanthan Gum
CAS#	11138-66-2
Lot Number	1241104024
Manufacture Date	11/2024
Re-test Date	11/2026

Analytical Tests	Specification	Result
Appearance	Off-white or Light Yellow Free Flowing Powder	CONFORMS
ASSAY (of carbon dioxide)	91-108% (4.2-5%)	CONFORMS
Thru 200mesh, %	≥92.0	95.9
Viscosity ^{1% XG in} _{1% KCL solution, mPa.s}	1300-1700	1500
Shear Ratio	≥6.5	7.6
PH (1% XG solution)	6.0-8.0	6.4
Loss on Drying, %	≤13.0	7.0
Ash, %	≤13.0	<13.0
Pyruvic Acid, %	≥1.5	>1.5
V1:V2	1.02-1.45	CONFORMS
Total Nitrogen, %	≤1.5	<1.5
Ethanol and Isopropyl Alcohol ppm	≤500	265.1
Total Heavy Metals (as Pb), ppm	≤20.0	<20.0
Pb, ppm	≤2.0	<2.0
As, ppm	≤2.0	<2.0
Hg, ppm	≤1.0	<1.0
Cd, ppm	≤1.0	<1.0

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Total Plate Count, CFU/g	≤2000	100
Yeasts & Moulds, CFU/g	≤100	< 100
Coliforms, MPN/g	≤3	< 3
5g E.coli, in 5 g	Negative	Negative
Salmonella	0/25g	0/25g
Staphylococcus Aureus	Negative	Negative
Xanthomonas Campestris, in 1 g	Negative	Negative
Conclusion	Conform to the standard of E415 and FCC	

STABILITY AND STORAGE:

Keep in tightly closed container in a cool and dry place, protected from sunlight. When stored for more than 24 months, quality should be checked before use.

As it is electronically generated document, hence no signature required.