

**Qualikems**

Qualikems Lifesciences Pvt. Ltd.

(Formerly known as Qualikems fine chem Pvt Ltd)

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CERTIFICATE OF ANALYSIS

Name of Product	: Xanthan Gum	CAS No.	: 11138-66-2
Molecular Formula	: --	Molecular Weight	: --
Batch No.	: QF2501039	Grade	: LR
Mfg. Date	: January-2025	Retest Date	: December-2029

Sr. No.	Tests	Specification	Observation
1	Appearance	White or yellowish white free flowing Powder	Complies
	Maximum limits of impurities:#		
2	Loss on drying	11.30%	9.01%
3	Odour	Feeble no desabreable	Complies
4	Particles size	100-200 mesh	Complies
5	Ash	9.70%	8.10 %
6	pH of 1% sol. in water	7	6.31
7	Nitrogen	Less than 1.5%	< 1.5 %
8	Pyruvic acid	2.40%	1.01 %
9	Viscosity 1% xanthan gum in 1% KCL. Brook field, LVTD, spindles 3, 60RPM, 250°C	1340 CP	Complies
10	Heavy metals(as Lead)	Less than 10mg/kg.	< 10 mg/kg
11	Lead	Less than 5mg/kg.	< 5 mg/kg
12	Arsenic	Less than 2mg/kg.	< 2 mg/kg
13	Total plate count/gram	1800/g	Complies
14	Yeasts and moulds/gram	80/g	Complies
15	Pathogens germs	Absence	Complies
16	S. Aureus	Negative by test	Complies
17	Pseudomonas aeruginosa	Negative by test	Complies
18	Salmonella sp	Negative by test	Complies
19	C. Perfringens	Negative by test	Complies

Conclusion: Product complies as per above specification.

Note: This document has been produced electronically and it is valid without signature.

Quality of our product tested and reported in the COA are as per the specification and without any prejudice/liability what so ever the end product performance

(An ISO 9001 : 2015 & 14001 : 2015 & 45001:2018 Certified Company)

NSIC - CRISIL SE 2B which indicates " High Performance Capability & Moderate Financial Strength