

Deosen Biochemical (Ordos) Ltd.

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DEOSEN

CERTIFICATE OF ANALYSIS

Product: Xanthan Gum C BPA/USP

Specification: Ziboxan Gum C BP/USP

P.O. No.: KWCHIMP/2526/25050003

Invoice No.: EINKW26001-2

Date: 2026-02-03

Batch no		35260031
Quantity(kgs)		4176
Package		Bag
Manuf Date		2026/1/8
Date of Expiry		2028/1/7
Parameters	Specification	Results
Appearance	Cream colored powder	conform
Viscosity(1% solution in 1% KCL)	1200-1700cps	1680
Transparence	min 85%	89.10%
pH(1% solution)	6.0-8.0	6.76
Loss on drying	max. 15%	7.93%
Ash(on dry basis)	max. 16%	8.92%
Particle size		
through 60mesh	100.00%	100.00%
through 80mesh	min.95%	99.70%
V1-V2	1.02-1.45	1.06
Nitrogen	max. 1.5%	0.72%
Pyruvic acid	min. 1.5%	5.00%
Heavy metals(as Pb)	max. 20ppm	conform
Lead*	max. 2ppm	conform
Arsenic*	max. 3ppm	conform
Assay	91.0%-108.0%	92.50%
Residual solvents	max 500ppm	108
Total Plate Count	<2000cfu/g	130
Yeast and moulds	<100cfu/g	<50
E coli*	absent/10g	conform
Salmonella*	absent/10g	conform
Bile Tolerant Gram-negative bacteria	absent/g	conform
Pseudomonas aeruginosa	absent/g	conform
Staphylococcus aureus	absent/g	conform
Shigella	absent/g	conform
Clostridia	absent/g	conform
Candida albicans	absent/g	conform
Solubility	Soluble in hot or cold water.	conform
Limit of Isopropyl alcohol	Not more than 0.075%	conform
Identification	A firm, rubbery gel forms after the temperature drops below 40°C, No gel forms with the control	conform
Bulk Density	Not less than 0.7g/ml	1.0g/ml
Foreign Matter	A 10.0% Solution/Suspension shows not more than 2 particles/g	conform
Other Polysaccharides	The principal spot in the chromatogram obtained with the test solution shows 2 spots corresponding to the spots due to glucose and mannose in the chromatogram obtained with the reference solution.	conform

*: Type test parameters are tested twice a year by the third party lab.

Storage: Sealed and stored in cool, dry conditions.

Analytical person: Zhendong Chen

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Reviewed by: Vice QC Manager Dong Jin

