CERTIFICATE OF ANALYSIS

Product Name	Xanthan Gum, Ultra Soft
INCI Name	Xanthan Gum
CAS#	11138-66-2
Lot Number	0D0523K
Manufacture Date	04/2023
Re-test Date	04/2026

Analytical Tests	Specification	Result
Particle Size, %	Not less than 95	100
Loss on Drying, %	Not more than 15.0	12.2
Appearance	Pass	Pass
Hydration Rate, min	For Information Only	6.3
Viscosity (1% KCl sol.),cP	800 - 1300	900
Low Shear Viscosity	250 - 600	297
pH (1% Solution)	6.0 - 8.0	7.7
Transmittance, %	Not less than 85	88
Loss on Drying, %	≤ 15	7.8
Isopropyl Alcohol, ppm	Not more than 500	128
Bacteria (Viable Mesophilic), cfu/g	Not more than 1000	< 100
Yeast & Mold, cfu/g	Not more than 100	< 100
Coliform	Negative by MPN	NEGATIVE
E. coli	Absent in 25g	ABSENT
Salmonella spp.	Absent in 25g	ABSENT
Total Aerobic Plate Count	Not more than 1000	< 100
Total Yeasts and Molds	Not more than 100	< 100
Escherichia coli	Absent in 1.0g	PASS
Salmonella spp.	Absent in 10g	PASS
Candida albicans	Absent in 1.0g	PASS

Analytical Tests	Specification	Result
Viscosity Ratio	1.02 - 1.45	1.40
Identification	Pass	PASS
Identification Test A (EP)	Pass	PASS
Pyruvic Acid, %	Not less than 1.5	5.6
Total Nitrogen, %	Not more than 1.5	0.3
Assay, % carbon dioxide	4.2 - 5.0	4.2
Assay, % xanthan gum	91.0 - 108.0	91.9
Ash, %	6.5 - 16.0	13.1
Total Heavy Metals, ppm	Not more than 10.0	< 10.0
Lead, ppm	< 2.0	Not more than 2.0
Arsenic, ppm	< 2.0	Not more than 2.0
Mercury, ppm	< 1.0	Not more than 1.0
Cadmium, ppm	< 1.0	Not more than 1.0
S. aureus	Absent	Absent in 1.0g
P. aeruginosa	Absent	Absent in 1.0g

STABILITY AND STORAGE:

Keep in tightly closed container in a cool and dry place, protected from sunlight. When stored for more than 36 months, quality should be checked before use.

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