



KINTAI
金泰生物

西安金泰生物技术有限公司

Xi'an Kintai Biotech, Inc.

Certificate of Analysis

Product Name	1,7-Dimethylxanthine(Paraxanthine)	CAS NO	611-59-6
Lot No.	KT20260721	Batch Quantity	150 kg
MFG Date	2026/07/21	Report Date	2026/07/25
Expiry Date	2028/07/21	Country of origin	P.R.China

Analysis Items	Specifications	Results
Assay (Paraxanthine)	$\geq 98.0\%$	99.16%
Imp 1(HPLC)	$\leq 1.0\%$	0.96%
Imp 2(HPLC)	$\leq 0.5\%$	N.D
¹ H NMR	-	Consistent with structure

Physical and chemical properties

Appearance	Off-white to light yellow powder	Light yellow powder
Water Activity	-	0.65
Loss on Drying	$\leq 0.5\%$	0.20%
Residue of ignition	$\leq 0.1\%$	0.06%
Heavy Metals	$\leq 20\text{ppm}$	Conforms
Arsenic(As)	$< 1.5\text{ ppm}$	Conforms
Lead(Pb)	$< 1.0\text{ ppm}$	Conforms
Cadmium (Cd)	$< 0.5\text{ ppm}$	Conforms
Mercury (Hg)	$< 1.0\text{ ppm}$	Conforms

Microbiological Quality(Total viable aerobic count)

Total Plate Count	$< 1000\text{ cfu/g}$	Conforms
Yeast & Mold	$< 100\text{ cfu/g}$	Conforms
E. Coli	Negative in 10 g	Negative
Salmonella	Negative in 10 g	Negative
S. Aureus	Negative in 10 g	Negative

***Storage Condition:** Store in tightly closed plastic bag and keep in a cool dry place. Keep always from strong direct light.

***shelf life:** 2 years when stored properly

***Safety Precaution:** Wearing of protective goggles or safety glasses is recommended.If accidentally instilled into the eyes,immediately rinse thoroughly with water and get medical care. Wash skin with soap and water upon contact.

Conclusion	Confirm to Specification and Standards.
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