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SPECIFICATION SHEET

Theacrine 98%

Product Name	Theacrine	**CAS No.**	2309-49-1
Molecular Formula	C9H12N4O3	**Molecular Weight**	Not applicable

Test Item	Specification	Test Method
Appearance	White to off-white crystalline powder	Visual
Odor & Taste	Characteristic	Organoleptic
Identification	Corresponds to RS	IR & LC-MS
Assay (on dried basis)	≥ 98.0%	HPLC
Particle Size	NLT 95% through 80 mesh	USP <786>
Bulk Density	≥ 0.40 g/ml	USP <616>
Tapped Density	≥ 0.70 g/ml	USP <616>
Loss on Drying	≤ 1.0%	USP <731>
Residue on Ignition	≤ 0.30%	USP <281>
Lead (Pb)	≤ 0.5 ppm	ICP-MS
Arsenic (As)	≤ 0.5 ppm	ICP-MS
Cadmium (Cd)	≤ 0.5 ppm	ICP-MS
Mercury (Hg)	≤ 0.1 ppm	ICP-MS
Standard Plate Count	≤ 1,000 cfu/g	USP <2021>
Total Yeast & Mold	≤ 100 cfu/g	USP <2021>
E. coli	Negative	USP <2022>
Salmonella	Negative	USP <2022>
S. aureus	Negative	USP <2022>

Storage: Store in tightly sealed and preferably full containers in cool, dry and ventilated area.

Shelf Life: 24 months under above conditions, and kept in its unopened original packaging.

Prepared by: Mia Yu Approved by: Charlie Wang Date: Oct. 15, 2026