

Product Name	Taurine Powder (2-Aminoethanesulfonic Acid)	Grade	USP / Food Grade
CAS No.	107-35-7	Molecular Formula	C2H7NO3S
Molecular Weight	125.15	Appearance	White crystalline powder
Batch / Lot No.	TAU-2608-114	Batch Size	500 kg
Date of Manufacture	2026-06-12	Date of Analysis	2026-06-18
Retest Date	2029-06-11 (36 months)	Country of Origin	Japan

ANALYTICAL RESULTS

TEST	SPECIFICATION	RESULT	METHOD
Appearance	White crystalline powder, odourless	Conforms	Visual
Identification (IR)	Conforms to reference spectrum	Conforms	USP <197>
Assay (dried basis)	98.0 % - 102.0 %	99.6 %	USP HPLC
pH (1 % solution)	4.1 - 5.6	5.0	USP <791>
Clarity of solution	Clear and colourless	Conforms	JP
Loss on drying	NMT 0.30 %	0.08 %	USP <731>
Residue on ignition	NMT 0.30 %	0.05 %	USP <281>
Chloride	NMT 0.05 %	0.01 %	USP <221>
Sulfate	NMT 0.03 %	< 0.01 %	USP <221>
Iron	NMT 30 ppm	< 10 ppm	USP <241>
Individual impurities	NMT 0.50 %	< 0.10 %	TLC
Lead (Pb)	NMT 0.5 ppm	< 0.05 ppm	ICP-MS, USP <233>
Arsenic (As)	NMT 0.5 ppm	< 0.05 ppm	ICP-MS, USP <233>
Cadmium (Cd)	NMT 0.5 ppm	< 0.02 ppm	ICP-MS, USP <233>
Mercury (Hg)	NMT 0.1 ppm	< 0.01 ppm	ICP-MS, USP <233>
Total plate count	NMT 1,000 cfu/g	< 100 cfu/g	USP <2021>
Yeast & mould	NMT 100 cfu/g	< 10 cfu/g	USP <2021>
E. coli / Salmonella	Absent	Absent	USP <2022>

CONCLUSION: Complies with USP monograph specifications for Taurine. Storage: keep in a tightly closed container, cool and dry, protected from light. Results relate only to the batch tested.

R. Mehta
Analyst - R. Mehta, QC Chemist

L. Whitfield
Approved by - L. Whitfield, QA Manager

