



## Certificate of Analysis

COA-BA-1022-L001  
www.ausamics.com.au

### Product Details

Product Name	<b>Taurine</b>
IUPAC Name	<b>2-aminoethanesulfonic acid</b>
Catalog No.	<b>BA-1022</b>
CAS No.	<b>107-35-7</b>
Molecular Formula	<b>C2H7NO3S</b>
Lot No.	<b>TAU260301</b>
Mfg. Date	<b>March 2026</b>
Retest Date	<b>March 2029</b>
Grade	<b>Biochemical Grade (&gt;98%)</b>

### Document Information

COA No.	<b>COA-BA-1022-L001</b>
Issue Date	<b>March 2026</b>
Issued By	<b>AuSaMicS Quality Control</b>
Test Ref.	<b>In-house / Ph. Eur. / USP</b>

### Test Results & Analytical Data

Test Parameter	Specification	Method	Result	Status
Appearance	White crystalline powder; no discolouration or clumping	Visual inspection	<b>Conforms</b>	<b>PASS</b>
Identity (IR)	Conforms to Taurine reference IR spectrum	IR spectroscopy (KBr disc)	<b>Conforms</b>	<b>PASS</b>
Identity (HPLC)	Retention time matches Taurine reference standard (OPA deriv.)	HPLC amino acid analysis	<b>Conforms</b>	<b>PASS</b>
Purity (titration)	>98.0%	Potentiometric titration	<b>98.7%</b>	<b>PASS</b>
Loss on Drying	<= 0.5% w/w	105 °C / 2 h (gravimetric)	<b>0.18%</b>	<b>PASS</b>
pH (1% aqueous solution)	4.0 - 5.0	Potentiometry (ISO 10523)	<b>4.3</b>	<b>PASS</b>
Solubility (50 mg/mL, water)	Clear colourless solution	Solution clarity test	<b>Clear</b>	<b>PASS</b>



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Test Parameter	Specification	Method	Result	Status
Heavy Metals (Pb equiv.)	<= 20 ppm	ICP-MS	< 5 ppm	PASS
Arsenic (As)	<= 2 ppm	ICP-MS	< 0.5 ppm	PASS
Sulphated Ash	<= 0.1%	Gravimetric	0.04%	PASS
CAS Identity Verification	CAS 107-35-7 confirmed	LC-MS vs. reference	Confirmed	CONFORM

**Conclusion:** Lot TAU260301 fully meets all release specifications for Taurine (CAS 107-35-7). Purity 98.7% (>98% spec). All heavy metals within limits. pH and identity confirmed. This lot is **RELEASED for use.**

### Quality Control Analyst

AuSaMicS Quality Control Department  
Date: March 2026 | Signature:

### Quality Manager

AuSaMicS Pty Ltd  
Date: March 2026 | Signature:

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