



Certificate of Analysis

COA-ASA-2056-L001

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Product Details

Product Name	Tylosin Tartrate
Catalog No.	ASA-2056
CAS No.	74610-55-2
Antibiotic Class	Macrolide
Lot No.	TYL260301
Mfg. Date	March 2026
Retest Date	March 2029
Grade	Research Grade

Document Information

COA No.	COA-ASA-2056-L001
Issue Date	March 2026
Issued By	AuSaMicS Quality Control
Test Ref.	In-house / USP / CLSI

Test Results & Analytical Data

Test Parameter	Specification	Method	Result	Status
Appearance	White to off-white powder; no visible impurities	Visual inspection	Conforms	PASS
Identity (UV-Vis)	Absorption maximum ~290 nm (macrolide)	UV-Vis spectrophotometry	289 nm	PASS
Purity (HPLC)	>= 95%	HPLC reversed phase, UV 290 nm	97.2%	PASS
Loss on Drying	<= 5.0% w/w	105 °C / 2 h (gravimetric)	2.8%	PASS
Solubility (10 mg/mL, water)	Clear solution; complete dissolution	Solution clarity test	Clear	PASS
Biological Activity	Inhibition zone >= 18 mm vs. S. aureus ATCC 25923 (30 µg disk)	Kirby-Bauer disk diffusion	22 mm	PASS
Heavy Metals (Pb equiv.)	<= 20 ppm	ICP-MS	< 5 ppm	PASS



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Test Parameter	Specification	Method	Result	Status
CAS Identity Verification	CAS 74610-55-2 confirmed	LC-MS vs. reference standard	Confirmed	CONFORM

Conclusion: Lot TYL260301 fully meets all release specifications for Tylosin Tartrate (CAS 74610-55-2). Purity 97.2% (spec. $\geq 95\%$), biological activity confirmed (22 mm inhibition zone). This lot is **RELEASED for research use.**

Quality Control Analyst

AuSaMicS Quality Control Department

Date: March 2026 | Signature:

Quality Manager

AuSaMicS Pty Ltd

Date: March 2026 | Signature:

Disclaimer: AuSaMicS Pty Ltd (ABN 56 676 640 467) warrants that this product meets stated specifications at time of manufacture. For research use only. Not for human or veterinary therapeutic use. AuSaMicS Pty Ltd shall not be held liable for any damages resulting from use outside the intended application.