



Certificate of Analysis

COA-AS-1151-L001
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Product Details

Product Name	Brilliant Green Bile Agar (BGBA)
Catalog No.	AS-1151
Lot No.	BGB260301
Mfg. Date	March 2026
Retest Date	March 2028
Preparation	Boiling only — DO NOT AUTOCLAVE
Grade	Microbiological Grade — Highly Selective Salmonella Medium

Document Information

COA No.	COA-AS-1151-L001
Issue Date	March 2026
Issued By	AuSaMicS Quality Control
Test Ref.	ISO 11133 / ISO 6579-1

Test Results & Analytical Data

Test Parameter	Specification	Method	Result	Status
Appearance (powder)	Homogeneous; light beige to pale yellow-green; no lumps	Visual inspection	Conforms	PASS
Appearance (prepared medium)	Green-amber gel; homogeneous; no contamination	Visual — plate check	Conforms	PASS
pH (prepared, 25 °C)	7.0 – 7.4	Potentiometry (ISO 10523)	7.2	PASS
Gel strength (prepared)	Firm, clear gel; no syneresis or collapse	Visual — plate check	Firm	PASS
Loss on Drying	≤ 7.0% w/w	105 °C / 2 h (gravimetric)	3.8%	PASS
Solubility (55.1 g/L by boiling)	Complete dissolution on boiling (no autoclave)	Suspension + boiling	Complete	PASS
Growth — <i>S. typhimurium</i> ATCC 14028	Good growth; pink-red 2–5 mm; ≥ 50% recovery	ISO 11133 growth test	Conforms	PASS



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Test Parameter	Specification	Method	Result	Status
Growth — <i>S. enteritidis</i> ATCC 13076	Good growth; pink-red colonies; $\geq 50\%$ recovery	ISO 11133 growth test	Conforms	PASS
Inhibition — <i>E. coli</i> ATCC 25922	Complete / $\geq 99\%$ inhibition	ISO 11133 selectivity	Complete	PASS
Inhibition — <i>Proteus mirabilis</i> ATCC 12453	Complete / $\geq 99\%$ inhibition	ISO 11133 selectivity	Complete	PASS
Sterility (prepared medium)	No growth at 14 days (30–35 °C)	Incubation sterility check	No growth	PASS
ISO 6579-1 Performance Compliance	Supports <i>Salmonella</i> isolation per ISO 6579-1 criteria	Compositional + growth review	Conforms	CONFORM

Conclusion: Lot BGB260301 fully meets all release specifications for Brilliant Green Bile Agar (BGBA). Growth promotion confirmed with *S. typhimurium* ATCC 14028 and *S. enteritidis* ATCC 13076; complete inhibition of *E. coli* and *Proteus mirabilis* 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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