

# Certificate of Analysis

## Kovac's Aldehyde Reagent, for Detection of Indole Producing Bacteria

**Lot Number:** 2403K28**Product Number:** 4260**Manufacture Date:** MAR 21, 2024**Expiration Date:** MAR 2026

For In Vitro Diagnostic Use. May be suitable for other laboratory applications.

Recommended Procedure: Inoculate 5 mL portions of the medium [sterilized 1% (w/v) Tryptophan Broth] from a pure culture. Incubate at  $35.0 \pm 0.5^{\circ}\text{C}$  for 24 ( $\pm 2$ ) hours. Add 0.2 mL to 0.3 mL of this Kovac's Aldehyde Reagent to the incubated medium. Shake gently. This reagent will rise to the top of the culture solution. Let stand about 10 minutes and observe results.

Test Results: A cherry-red or deep red color develops in the Reagent layer in the presence of Indole in the test culture, confirming the presence of Indole-producing bacteria. (An orange color probably indicates the presence of Skatole, a breakdown product of Indole.) If Indole-producing bacteria are absent, the Reagent layer will retain the original yellow color. All negative tests should be repeated for confirmation on separate 48-hour incubated broth cultures.

Name	CAS#	Grade
1-Butanol	71-36-3	ACS
Water	7732-18-5	ACS
Hydrochloric Acid	7647-01-0	ACS
p-Dimethylaminobenzaldehyde	100-10-7	ACS

Test	Specification	Result
Appearance	Yellow-green liquid	Passed
Volumetric glassware complies with Class A tolerance requirements of ASTM E 288 and NIST Circular 434; it is calibrated before first use and recalibrated regularly in accordance with ASTM E 542 and NIST Procedure NBSIR 74-461. Balances are calibrated regularly with weights certified traceable to the NIST national mass standard. Thermometers and temperature probes are calibrated before first use and recalibrated regularly with a thermometer traceable to NIST standards. All products are prepared according to master documents that assure manufacture according to validated methods. Batch records document raw material traceability and production and testing history for each lot manufactured.		

Part Number	Size / Package Type	Shelf Life (Unopened Container)
4260-16	500 mL amber glass	24 months
4260-4	120 mL amber glass	24 months

**Recommended Storage:** 15°C - 30°C (59°F - 86°F)

Jose Pena (03/21/2024)

Operations Manager

This document is designed to comply with ISO Guide 31 "Reference Materials -- Contents of Certificates and Labels."

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