

Certificate of Analysis

PAN Indicator, 0.1% (w/v) in Denatured Alcohol, Indicator for Complexometric Titrations

Lot Number: 4401H66

Product Number: 5487

Manufacture Date: JAN 11, 2024

Expiration Date: DEC 2025

Name	CAS#	Grade
Ethyl Alcohol	64-17-5	Reagent
Methyl Alcohol	67-56-1	Reagent
1,2-Pyridylazo-2-naphthol	85-85-8	Indicator

Test	Specification	Result
Appearance	Amber liquid	Passed
Suitability for Use	Deep Red (Uncomplexed Copper Ions) - Yellow (Excess EDTA)	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)
5487-100	100 mL amber glass	24 months

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

Paul Brandon (01/11/2024)

Production Manager

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

This test report shall not be reproduced, except in full, without the written approval of Ricca Chemical Company.