

## **Certificate of Analysis**

## Morpholine Standard, 1000 ppm $C_4H_9NO$

Lot Number: $4401T32$	Product Number: $5218$	Manufacture Date: JAN 31, 2024 Expiration Date: JAN 2025
Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Morpholine	110-91-8	ACS
Test	Specification	Result
Appearance	Colorless liquid	Passed
Morpholine	990-1010 ppm	1000 ppm
recalibrated regularly in accordance traceable to the NIST national mass thermometer traceable to NIST stand	with ASTM E 542 and NIST Procedure NBSIR 74-46 standard. Thermometers and temperature probes ar	NIST Circular 434; it is calibrated before first use and 61. Balances are calibrated regularly with weights certified re calibrated before first use and recalibrated regularly with a r documents that assure manufacture according to validated istory for each lot manufactured.

Part Number	Size / Package Type	Shelf Life (Unopened Container)
5218-16	500 mL natural poly	12 months

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

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Paul Brandon (01/31/2024) Production Manager This document is designed to comply with ISO Guide 31 "Reference Materials --Contents of Certificates and Labels."

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