

# Certificate of Analysis

## Turbidity Standard, 100 NTU, Polymer Bead Suspension

**Lot Number:** 1404F60

**Product Number:** 8806

**Manufacture Date:** APR 10, 2024

**Expiration Date:** APR 2025

Ready to use. Do NOT agitate. Pour gently into cuvette avoiding bubbles which will interfere with Turbidity readings. There is no NIST Standard Reference Material for Turbidity. This solution is traceable to commercially prepared EPA recognized Primary Standards. The EPA primary standard for turbidity (Formazin suspension, 4000 NTU) is identical to EP Primary Opalescent Suspension and USP Formazin Stock Suspension. Due to the light scattering properties of the polystyrene Microspheres blend, your turbidity meter may respond differently and may require a specially formulated blend to perform within acceptable parameters. This 100 NTU Turbidity Standard is specially formulated to read 100 NTU on a Hach 2100N turbidity meter.

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Preservative	Proprietary	
Polystyrene Microspheres	9003-53-6	Reagent

Test	Specification	Result
Appearance	Colorless liquid	Passed
Turbidity	99-101 NTU	100 NTU

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)
8806-1	4 L amber glass	12 months
8806-32	1 L amber glass	12 months

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



Heidi J Green (04/10/2024)

Operations Manager

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

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