

Certificate of Analysis

Fluoride Standard, 100 ppm F⁻

Lot Number: 4403P36

Product Number: 3171

Manufacture Date: MAR 27, 2024

Expiration Date: MAR 2025

The certified value reported is the prepared value based upon the method of preparation of the material. The uncertainty in the prepared value is based upon the volumetric method of preparation.
 The concentration is confirmed by Fluoride ISE and is certified traceable to NIST SRM 2203.

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Fluoride	7681-49-4	High Purity

Test	Specification	Result
Appearance	Colorless liquid	Passed
Fluoride (F)	99.5-100.5 ppm	100.0 ppm

Specification	Reference
Stock Fluoride Solution	APHA (4500-F- C)
Stock Fluoride Solution	EPA (340.1)
Fluoride Standard Solution (100 mg/L F ⁻)	EPA (SW-846) (9214)
Sodium Fluoride, Stock Solution, 1.0 mL = 0.1 mg F	EPA (340.2)

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)
3171-16	500 mL natural poly	12 months
3171-32	1 L natural poly	12 months
3171-4	120 mL natural poly	12 months
3171-8	250 mL natural poly	12 months

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



Paul Brandon (03/27/2024)

Production Manager

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

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