

Product Specification

Iodine (Iodine-Iodide), 0.0282 Normal, 1 mL = 1 mg Cl₂
Lot Number: SAMPLE

Product Number: 3980

Manufacture Date: N/A

Expiration Date: N/A

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Iodide	7681-11-0	ACS
Iodine	7553-56-2	ACS

Test	Specification	Result	NIST SRM#
Appearance	Dark brown liquid	N/A	
Assay (vs. Sodium Thiosulfate/Starch)	0.02818-0.02822 N at 20°C	N/A	136

Specification	Reference
Dilute Standard Iodine, 0.0282 N	APHA (4500-CI B)
Standard 0.0282 N Iodine Solution	APHA (4500-CI C)
Standard Iodine Titrant, 0.0282 N	APHA (4500-CI C)
Standard Iodine Titrants (0.0282 N)	EPA (330.3)
Standard Iodine Titrant (0.00282 N)	EPA (330.2)

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)
3980-1	4 L amber glass	12 months
3980-16	500 mL amber glass	12 months
3980-32	1 L amber glass	12 months

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

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

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