

Certificate of Analysis

Alkaline-Iodide Reagent, Winkler Formulation for Dissolved Oxygen (DO) Analysis

Lot Number: 2404G43

Product Number: 530

Manufacture Date: APR 17, 2024

Expiration Date: APR 2026

This solution is intended for use with saturated or subsaturated samples where Nitrite interference is known to be absent, and is suitable for use when Ferrous Iron interference has been removed by oxidation with Permanganate.

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Hydroxide	1310-73-2	Reagent
Potassium Iodide	7681-11-0	ACS

Test	Specification	Result
Appearance	Colorless liquid	Passed
Free Iodine	To Pass Test	Passed

Specification	Reference
Alkaline Iodide Solution	ASTM (D 888)
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)
530-1	4 L natural poly	24 months
530-16	500 mL natural poly	24 months
530-32	1 L natural poly	24 months

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



Jose Pena (04/17/2024)
Operations Manager

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