

Product Specification

Chemical Oxygen Demand Standard, 10,000 ppm COD

Lot Number: SAMPLE

Product Number: R2229100

Manufacture Date: N/A

Expiration Date: N/A

The ppm COD is calculated using the theoretical COD for Potassium Hydrogen Phthalate of 1.176 mg O₂/mg KHP given in APHA Standard Methods for the Examination of Water and Wastewater.

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Acid Phthalate	877-24-7	ACS Acidimetric

Test	Specification	Result	NIST SRM#
Appearance	Colorless liquid	N/A	
Assay (vs. Sodium Hydroxide/Phenolphthalein)	9950-10050 ppm COD	N/A	84

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)
R2229100-1A	1 L natural poly	18 months
R2229100-30A	30 mL natural poly	18 months
R2229100-500A	500 mL natural poly	18 months

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

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