

Certificate of Analysis

HydroSpec[®] Composit K5**For One Component Volumetric Titrations of Aldehydes and Ketones**

Lot Number: X21024

Product Number: RK220000

Manufacture Date: OCT 21, 2022

Recommended Retest Date: OCT 2026

Name	CAS#	Grade
Iodine	7553-56-2	
Sulfur Dioxide	7446-09-5	
Imidazole	288-32-4	
Diethylene glycol monoethyl ether	111-90-0	

Test	Specification	Result
Suitability for Use	Karl Fischer titrations	Passed
Titer	4.80-5.30 mg/mL	5.00 mg/mL

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)
RK220000-1C	1 L amber glass	60 months

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

Paul Brandon (10/21/2022)

Production Manager

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

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