RICCA CHEMICAL COMPANY®

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Product Specification

CERTIFIED REFERENCE MATERIAL

VeriSpec® 2000 ppm: C2H5Br, C2H5Cl, CH3Cl, CCl2F2, CCl3F, C2H3Cl in Methanol EPA 502/ASTM D5580

Manufactured and Tested in an ISO 17025/ISO 17034 Accredited Facility

Lot Number: SAMPLE **Product Number:** RV019037

Manufacture Date: N/A

Expiration Date: N/A

Component	Certified Value	Uncertainty	Traceability

* Starting material purity is not a certified value.

Method(s) of certification used:

Concept of certification and traceability statement:

This certified reference material is produced using a high-purity starting material, acid from sub-boiling and 18 MOhm deionized water. The reported expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor k = 2, which for a normal distribution corresponds to a coverage probability of approximately 95%. The standard uncertainty of measurement has been determined in accordance with EA 4/02 Property of the result of a measurement whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties (ISO VIM) The metrological traceability is assured through calibration on AAS/ICP/IC. The calibration curve is drawn using a series of standard solutions prepared from a certified reference material traceable to SI of NIST (SRM) and of accredited according to ISO/IEC 17025 and/or ISO Guide 34 laboratories/producers. All contributions in relation to the certification of standard solutions are considered when evaluating the uncertainty. The measurement results are traceable to SI. All analytical balances used for the preparation of the solution are calibrated yearly under an in-house procedure with analytical weights, traceable to DKD and are daily checked. Class A laboratory glassware is used. The results from temperature measurement are traceable to SI. The thermometers used for solution's calibration are calibrated from an ISO 17025 accredited laboratory. The ambient conditions are controlled with a hygrometer calibrated from an ISO 17025 accredited laboratory.

Level of homogeneity:

Intended use:

For Laboratory Use Only
This CRM is intended for:

This statement is not intended to restrict the use for other purposes.

Instructions for the correct use of this reference material:

Hazardous situation:

Part Number	Size / Package Type	Shelf Life (Unopened Container)

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."

This Certified Reference material was produced under a quality management system that is accredited to ISO/IEC 17025 and ISO 17034.