

More Reliability and Comparability for Titration Results

Titripur® Volumetric Solutions analyzed by our DIN EN ISO/IEC 17025 accredited calibration laboratory

Rely on consistently good titration results in your titration laboratory by using Titripur® Volumetric Solutions analyzed by a ISO/IEC 17025 accredited calibration laboratory in conjunction with Certipur® Volumetric Standards, Certified Reference Materials (CRM), according to ISO 17034.

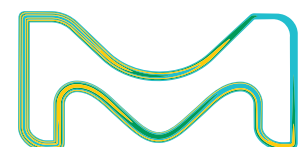
With the European Common Market and the worldwide market orientation, it is becoming increasingly important that measuring results are more comparable and intelligible. The goal is to avoid double analysis to save money and time and provide trustable analytical results. For this reason, it is certainly helpful when using volumetric solutions measured in appropriate laboratories accredited by independent institutions.

Trust your titration results using Titripur® Volumetric Solutions

The Quality Control Laboratory at Merck KGaA, Darmstadt, Germany is accredited by the Deutsche Akkreditierungsstelle - German Accreditation Service (DAKKS) as calibration laboratory with registration no. D-K-15185-01-00 for the "amount-of-substance concentrations in volumetric solutions" according to DIN EN ISO/IEC 17025, which is one of the highest standards for laboratories.

Laboratories working in regulated environments or having their own ISO/IEC 17025 accreditation are better prepared for audits using reagents analyzed in an accredited laboratory in combination with volumetric standards, Certified Reference Materials according to ISO 17034.

The ISO/IEC 17025 is an internationally recognized accreditation for laboratories made possible through the ILAC (International Laboratory Accreditation Organization) and is accepted worldwide. Every country has its own accreditation bodies who are members of the ILAC.



Traceability and Uncertainty of Titripur® Volumetric Solutions

With an DIN EN ISO/IEC 17025 accreditation as calibration laboratory, the traceability to a national normal is completely ensured. For the Titripur® volumetric solution we trace back to a primary standard from the National Institute of Standards and Technology (NIST). Deviations from the normal in every single stage will be documented in the test chain and further sources of errors e.g. repeatability or reproducibility will be documented and included in the expanded measurement uncertainty. The expanded measurement uncertainty for the amount of substance concentration can be found in the Certificate of Analysis and as well in the DAkkS Accreditation Certificate Annex (www.sigmaaldrich.com/ISO17025), as well the specification range which is accepted by our ISO/IEC 17025 requirements. A large number of test series and validated test procedures ensure the calibration according to ISO/IEC 17025 and its traceability.

Your benefits of using volumetric solutions analyzed in an ISO/IEC 17025 accredited laboratory and volumetric reference materials (CRMs) certified according to ISO 17034 in the titration laboratory

- Confidence in analytical results
- Documentation available for audits
- Adherence for the quality management system
- Consistent quality of reagents and standards
- Increased confidence in testing, calibration data, and performance of personnel
- Cost and time savings - no need for multiple tests
- Proof of competence and trust in the quality of products

More information SigmaAldrich.com/Titration



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