

CERTIFICATE OF ANALYSIS**AQ0020_26059201/2**

Product	Aquagent®, standard solution 1%	Batch	26059201
AQ0020		Quality release date	10/10/2025
		Expiry date	08/2028

Analysis	Batch value	Specifications	±U
Water content	10,08 mg/g	9,85 - 10,15	0,04
Water content	1,008 %	0,985 - 1,015	0,004

Preparation

This standard is prepared using gravimetric and volumetric procedures.
Contains 1-butanol, propylene carbonate and xylene.

Measurement

The water content is determined by means of direct volumetric Karl-Fischer titration under ISO/IEC 17025. The stated value is obtained as an average of fifteen measurements at five distinct samples. The standard is traceable to SI-units (kg) and verified against a standard traceable to NIST SRM 2890 (Water Saturated 1-Octanol).

Uncertainty

The uncertainty of the analytical method is calculated using the Kragten method and in accordance with GUM. The limits of the uncertainty are given at a confidence level of 95% ($k=2$).

Storage and use

For Karl-Fischer titrator calibration.

If the product is properly stored and unopened, this standard is stable for 3 years from the date of manufacturing.

The standard must be kept tightly closed at room temperature. Avoid exposure to light and moisture.

For laboratory use only.