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**CERTIFICATE OF ANALYSIS****AC1765\_24118901/1**

Product Perchloric acid, solution in acetic acid 0,1 mol/l (0,1 N)

Batch 24118901

**AC1765**

Quality release date 13/09/2023

Expiry date 09/2026

Analysis	Batch value	Specifications	±U
Water (K.F.)	0,1595 %	0,1 - 0,2	
Factor	1,000	0,995 - 1,005	0,001

**Preparation**

This volumetric solution is prepared using gravimetric and volumetric procedures.

1 ml = 0,01005 g HClO<sub>4</sub>**Traceability**

This solution was analyzed using a certified reference material (Tris(hydroxymethyl)-aminomethane). The certified reference material is ISO 17034 accredited, measured according to ISO/IEC 17025 and traceable to the International System of Units by means of a Standard Reference Material from NIST: SRM® 723 (Tris(hydroxymethyl)aminomethane (HOCH<sub>2</sub>)<sub>3</sub>CNH<sub>2</sub> Acidimetric Standard).

**Uncertainty**

It characterises the dispersion of the values that could be attributed to the mesurand. The limits of the uncertainty are given at a confidence level of 95% (k=2).

**Measurement**

The batch value is determined by means of potentiometric method (acidimetric) at 20°C.

The equipments involved in the analysis of this solution are validated periodically.

Batch value certified at the time of measurement.

**Storage and use**

For volumetric titration.

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

Keep tightly closed at room temperature. Avoid exposure to light and moisture.

We suggest shaking the bottle before use in order to homogenize the content.

The titre should be checked periodically by the user. For laboratory use only