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CERTIFICATE OF ANALYSIS**CE0102_23770401/1**

Product	Cerium(IV) sulfate, solution 0,1 mol/l (0,1 N)		Batch	23770401
CE0102			Quality release date	27/04/2023
			Expiry date	04/2026
Analysis	Batch value	Specifications	±U	
Factor	1,000	0,999 - 1,001	0,001	

Preparation

This volumetric solution is prepared using gravimetric and volumetric procedures.

1ml = 0,04043g $\text{Ce}(\text{SO}_4)_2 \cdot 4\text{H}_2\text{O}$

Traceability

This solution was analyzed using a certified reference material (Sodium Oxalate). 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® 8040 (Sodium Oxalate (Reductometric 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 (cerimetric) 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