

**Scharlab S.L.**

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CERTIFICATE OF ANALYSIS

Product Sodium carbonate anhydrous, secondary standard for volumetric titrations, Titrasure®

Batch 20369801

Quality release date 27/02/2020

Expiry date 02/2025

SO0119

Analysis	Batch value	Specifications
Assay (on dried sample)	100,20 %	≥ 99,5
Insoluble matter	< 100 ppm	≤ 100
Chlorides (Cl)	30 ppm	≤ 50
Phosphates (PO ₄)	10 ppm	≤ 10
Calcium (Ca)	300 ppm	≤ 300
Iron (Fe)	0,2 ppm	≤ 5
Heavy metals (by ICP-OES)	< 5 ppm	≤ 5
Magnesium (Mg)	< 50 ppm	≤ 50
Potassium (K)	< 50 ppm	≤ 50
Silica (SiO ₂)	< 50 ppm	≤ 50
Sulfur compounds (as SO ₄)	< 30 ppm	≤ 30
Loss on drying (285 °C)	0,03 %	≤ 1,0

Preparation

Dried at 280°C for 4 hours.

Traceability

This standard was checked using a hydrochloric acid standard solution, that was also checked against Standard Reference Material from NIST, SRM 723e Tris-(hydroxymethyl)-aminomethane.

Uncertainty

The uncertainty of the analytical method is ±0,05%

It characterises the dispersion of the values that could be attributed to the dispersion of the analytical results due to the random errors occurred in the stages of the analytical procedure.

Measurement

The batch value is determined by means of potentiometric method (acidimetric).

Storage and use

For standardization of volumetric solutions.

The volumetric standard must be dried at 280°C for 4h and cooled in a desiccator before use.

If the product is stored and unopened, this standard is stable for 5 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

Results marked with # are out of specifications.

This certificate does not exempt the user from checking the results upon receipt of the goods.

Any copy of our CoA may be obtained from our website at www.scharlab.com

This certificate modifies and cancels the content of the certificate with name S-20-1964/2

Sara Garcia Maldonado
Laboratory Technician