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CERTIFICATE OF ANALYSIS**CA0185_22060501/2**Product Calcium carbonate, secondary standard for volumetric titrations,
Titrasure®

Batch 22060501

Quality release date 30/09/2021

Expiry date 09/2026

CA0185

Analysis	Batch value	Specifications
Assay (on dried sample)	99,78 %	99,5 - 100,1
Insoluble in diluted HCl	< 0,010 %	≤ 0,01
Chlorides (Cl)	< 0,0010 %	≤ 0,001
Fluorides (F)	< 0,0015 %	≤ 0,0015
Sulfates (SO ₄)	< 0,0050 %	≤ 0,005
Ammonium (NH ₄)	< 0,0030 %	≤ 0,003
Barium (Ba)	< 0,01 %	≤ 0,01
Heavy metals (as Pb)	< 0,001 %	≤ 0,001
Iron (Fe)	< 0,002 %	≤ 0,002
Magnesium (Mg)	< 0,01 %	≤ 0,01
Potassium (K)	< 0,01 %	≤ 0,01
Sodium (Na)	< 0,01 %	≤ 0,01
Strontium (Sr)	< 0,1 %	≤ 0,1

Meets ACS specifications

Preparation

Dried at 200°C for 4 hours.

Traceability

This standard was checked using an EDTA standard solution, that was also checked against Standard Reference Material from NIST, SRM 915x Calcium Carbonate.

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 (complexometric).

Storage and use

For standardization of volumetric solutions.

The volumetric standard must be dried at 200°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-21-7609/1

Sara Garcia Maldonado
Laboratory Technician