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CERTIFICATE OF ANALYSIS**SO0531_23835501/2**Product di-Sodium oxalate, secondary standard for volumetric titrations,
Titrasure®

Batch 23835501

Quality release date 31/05/2023

Expiry date 05/2028

SO0531

Analysis	Batch value	Specifications
Assay (on dried sample)	99,98 %	≥ 99,7
Insoluble in water	< 0,0050 %	≤ 0,005
Neutrality	passes test	passes test
Chlorides (Cl)	< 0,0020 %	≤ 0,002
Sulfates (SO ₄)	< 0,001 %	≤ 0,002
Ammonium (NH ₄)	< 0,0020 %	≤ 0,002
Heavy metals (as Pb)	< 0,0005 %	≤ 0,002
Iron (Fe)	< 0,0005 %	≤ 0,001
Potassium (K)	0,002 %	≤ 0,005
Substances darkened by H ₂ SO ₄	passes test	passes test
Loss on drying	0,01 %	≤ 0,01

Meets ACS specifications

Preparation

Dried at 105°C for 2 hours.

Traceability

This standard was checked using a Potassium Permanganate standard solution, that was also checked against Standard Reference Material from NIST, SRM 8040x Sodium Oxalate

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 (Red-Ox).

Storage and use

For standardization of volumetric solutions.

The volumetric standard must be dried at 105°C for 2h 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-23-4838/1

Sara Garcia Maldonado
Laboratory Technician