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**CERTIFICATE OF ANALYSIS**Product Sodium chloride, secondary standard for volumetric titrations,  
Titrasure®

Batch 20810301

Quality release date 12/05/2020

Expiry date 05/2025

**SO0234**

Analysis	Batch value	Specifications
Assay (on dried sample)	100,01 %	≥ 99,0
Insoluble in water	< 0,0050 %	≤ 0,005
pH (5 %, H <sub>2</sub> O, 25 °C)	5,89	5,0 - 9,0
Bromides (Br)	< 0,01 %	≤ 0,01
Chlorates and nitrates (as NO <sub>3</sub> )	< 0,003 %	≤ 0,003
Iodides (I)	< 0,0020 %	≤ 0,002
Phosphates (as PO <sub>4</sub> )	< 5 ppm	≤ 5
Sulfates (SO <sub>4</sub> )	< 0,0010 %	≤ 0,004
Barium (Ba)	passes test	passes test
Calcium (Ca)	< 0,0015 %	≤ 0,002
Heavy metals	< 5 ppm	≤ 5
Iron (Fe)	< 0,5 ppm	≤ 2
Magnesium (Mg)	< 0,001 %	≤ 0,001
Potassium (K)	0,00021 %	≤ 0,005

Meets ACS specifications

**Preparation**

Dried at 500°C for 4 hours.

**Traceability**

This standard was checked using a Silver nitrate standard solution, that was also checked against Standard Reference Material from NIST, SRM 999c Potassium chloride.

**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 (argentometric).

**Storage and use**

For standardization of volumetric solutions.

The volumetric standard must be dried at 500°C for 4 hours 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](http://www.scharlab.com)

This certificate modifies and cancels the content of the certificate with name S-20-4265/1

Sara Garcia Maldonado  
Laboratory Technician