CERTIFICATE OF ANALYSIS

PO0404_20072901/2

Product	Potassium iodate, secondary standard for volumetric titrations, Titrasure®	Batch	20072901
		Quality release date	19/11/2020
PO0404		Expiry date	11/2025

Analysis	Batch value	Specifications
Assay (on dried sample)	99,92 %	99,4 - 100,4
Chlorides and bromides (as Cl)	0,008 %	≤ 0,01
Iodides (I)	0,0001 %	≤ 0,001
Sulfates (SO4)	0,0010 %	≤ 0,005
Total nitrogen (as N)	0,0020 %	≤ 0,005
Heavy metals (as Pb)	< 0,00012 %	≤ 0,0005
Iron (Fe)	0,0002 %	≤ 0,001
Sodium (Na)	0,0021 %	≤ 0,005

Preparation

Dried at 130ºC for 2 hours.

Traceability

This standard was checked using a Sodium thiosulfate standard solution, that was also checked against Standard Reference Material from NIST, SRM 136f Potassium dichromate.

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 130ºC 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

Sara Garcia Maldonado
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