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**CERTIFICATE OF ANALYSIS****PO0131\_24023401/2**

Product	Potassium hydrogen phthalate, secondary standard for volumetric titrations, Titrasure®	Batch	24023401
		Quality release date	03/08/2023
<b>PO0131</b>		Expiry date	07/2028

Analysis	Batch value	Specifications
Assay (Acidimetric, on dried sample)	99,99 %	99,95 - 100,05
Identity (IR-Spectrum)	passes test	passes test
Insoluble in water	< 0,0050 %	≤ 0,005
pH (0,05 mol/l, H <sub>2</sub> O, 25 °C)	4,00	4,00 - 4,02
Chlorine compounds (as Cl)	< 0,0005 %	≤ 0,003
Chlorides (Cl)	< 0,0005 %	≤ 0,002
Total nitrogen (as N)	< 0,001 %	≤ 0,001
Heavy metals (as Pb)	< 5 ppm	≤ 5
Iron (Fe)	< 5 ppm	≤ 5
Sodium (Na)	0,003 %	≤ 0,005
Sulfur compounds (as S)	< 0,002 %	≤ 0,002

Meets ACS specifications

**Preparation**

Dried at 120°C for 2 hours.

**Traceability**

This standard was checked using a Sodium Hydroxide standard solution, that was also checked against Standard Reference Material from NIST, SRM 84x Potassium hydrogen phthalate.

**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 120°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](http://www.scharlab.com)

This certificate modifies and cancels the content of the certificate with name S-23-7114/1

Sara Garcia Maldonado  
Laboratory Technician