

**Scharlab S.L.**

Crtra.Polinya a Sentmenat, Km 8,2

08181 Sentmenat

☎ +34937456400

✉ helpdesk@scharlab.com

CERTIFICATE OF ANALYSIS**TR0427_23747901/1****Product** Tris-(hydroxymethyl)-aminomethane, secondary standard for volumetric titrations, Titrasure®**Batch** 23747901**Quality release date** 28/04/2023**Expiry date** 04/2028**TR0427**

Analysis	Batch value	Specifications
Assay (on dried sample)	99,99 %	99,8 - 100,1
Uncertainty	0,02 %	≤ 0,05
Absorbance	passes test	passes test
Insoluble in water	< 0,0050 %	≤ 0,005
Heavy metals (as Pb)	< 0,0002 %	≤ 0,0005
Iron (Fe)	< 0,0001 %	≤ 0,0005
Water (K.F.)	0,04 %	≤ 2

Meets ACS specifications

Preparation

Dried at room temperature for 24 hours in a vacuum desiccator.

Traceability

This standard was checked using a Hydrochloric Acid standard solution, that was also checked against Standard Reference Material from NIST, SRM 723x Tris-(hydroxymethyl)-aminomethane.

UncertaintyThe uncertainty of the analytical method is $\pm 0,05\%$

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 room temperature for 24h in a vacuum desiccator before use. Drying of this material at high temperatures is not recommended due to the possibility of decomposition.

Eliminate any clumps of the crystals present with a spatula, without crushing the crystals themselves, before drying.

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.comSara Garcia Maldonado
Laboratory Technician