



Scharlab S.L.

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CERTIFICATE OF ANALYSIS

Product: **Boron, standard solution 1000 mg/l B for AA**
BO0013 (boric acid in water)

Batch 17701701
Quality release date 04/01/2017
Expiry date 1/2020

Analysis	Batch value	Specifications
concentration	1001 mg/l	995 - 1005 mg/l
uncertainty ± 5 mg/l		

This standard solution is traceable to

Standard Reference Material from NIST.

Preparation

This atomic absorption standard has been prepared using gravimetric and volumetric procedures.
Composition per litre is 5,72 g Boric acid in water

Traceability

This standard is traceable to Standard Reference Material from NIST.
SRM 84L Potassium Hydrogen Phthalate (acidimetric)

Uncertainty

It characterises the dispersion of the values that could be attributed to the mesurand. The limits of the expanded uncertainty are given at a confidence level of 95% ($k=2$).

Measurement

The batch value is determined by alkalimetric titration at 20°C.
Batch value certified at the time of measurement.

Storage and use

For AA spectrophotometer calibration
If the product is stored and unopened, this solution is stable for 3 years from the date of manufacturing.
Once the bottle is opened, keep tightly closed at room temperature. Avoid exposure to light.
We suggest rejecting the solution six months after opening
This solution should be checked periodically by the user.