

**Scharlab S.L.**

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CERTIFICATE OF ANALYSIS

Product	Mercury, standard solution 1000 mg/l Hg for AA (mercury(II) nitrate monohydrate in nitric acid 2 mol/l)	Batch	19513001
		Quality release date	28/01/2019
ME0111		Expiry date	01/2022
Analysis	Batch value	Specifications	±U
Concentration	1002,3 mg/L	995,0 - 1005,0	5

Preparation

This atomic absorption standard has been prepared using gravimetric and volumetric procedures.

Composition per litre is 1,71 g Mercury (II) nitrate monohydrate in Nitric acid 2 mol/l.

Traceability

This standard is traceable to Standard Reference Material from NIST.

SRM 999c Potassium Chloride.

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 argentometric titration at 20°C, by means of potentiometric-end-point.

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.