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CERTIFICATE OF ANALYSIS

Product: **Iodine**, solution 0,05 mol/l (0,1 N)
YO0023

Batch 15859401
Quality release date 04/11/2014
Expiry date 11/2017

Analysis	Batch value	Specifications
factor	1,004	0,995 - 1,005
uncertainty ± 0,001		

1 ml = 0,0127 g I_2

Preparation
This volumetric solution is prepared using gravimetric and volumetric procedures.

Traceability
This solution was checked using a sodium thiosulfate standard solution, that was also checked against Scharlau's potassium iodate volumetric standard. This Scharlau's volumetric standard is traceable to Standard Reference Material from NIST SRM 136e potassium dichromate (oxidimetric standard).

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

Measurement
The batch value is determined by means of potentiometric method (Red-ox titration) at 20ºC.
The equipments involved in the analysis of this solution are validated periodically.
Batch value certified at the time of measurement.

Storage and use
For volumetric titration.
If the product is stored and unopened, this solution is stable for 3 years from the date of manufacturing.
Keep tightly closed at room temperature. Avoid exposure to light and moisture.
We suggest shaking the bottle before use in order to homogenize the content.
The titre should be checked periodically by the user.

This certificate does not release the user from their control upon receipt of the goods
You can get a copy of any of our COA from our web site: www.scharlab.com

M. Canet
Laboratory Manager