

**Scharlab S.L.**

Gato Pérez, 33. Pol. Ind. Mas d'en Cisa

08181 Sentmenat

☎ +34937456400

✉ helpdesk@scharlab.com

**CERTIFICATE OF ANALYSIS**

Product	Potassium permanganate, solution 0,02 mol/l (0,1 N)	Batch	19642801
<b>PO0336</b>		Quality release date	14/03/2019
		Expiry date	03/2022
<b>Analysis</b>	<b>Batch value</b>	<b>Specifications</b>	<b>±U</b>
Factor	1,000	0,999 - 1,001	0,001

**Preparation**

This volumetric solution is prepared using gravimetric and volumetric procedures.

1 ml = 0,00316g  $\text{KMnO}_4$

**Traceability**

This solution was checked using a Scharlau's sodium oxalate volumetric standard. This Scharlau's volumetric standard is traceable to Standard Reference Material from NIST SRM 8040 sodium oxalate (reductometric 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 20°C.

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.