



ISO 9001:2000  
BSI FM 27511

## Certificate of Calibration

Certificate Number: T123456

Date Issued: 01/09/2007

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Description:

### Sodium Hydroxide 0.1M

Category & Code:

*ROMIL-TvR™*

*V6701*

Specification:

NaOH MW 40.00

Nominal concentration 0.1M (0.1N)  $\pm 0.1\%$  @ 20°C

NaOH 4.000 g/LT

Na<sub>2</sub>CO<sub>3</sub> < 0.2%

*SI-traceable through PrimAg certified reference material*

Batch Number:

T123456

Date of Calibration:

September 2007

Calibration Result:

0.10008 M @ 20°C

Expanded Uncertainty:

$\pm 0.00013$  M

Calibrant:

Sodium Carbonate PrimAg (ROMIL E101)  
via hydrochloric acid

Approved Signatory:

**Dr Robert M Lenk**

**CChem MRSC**

The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor  $k=2$ , providing a level of confidence of approximately 95%. The uncertainty evaluation has been carried out in accordance with UKAS requirements.

Printed from a master computer file which has been authorised by the signatory.

This volumetric reagent has been prepared under a quality management system registered to ISO 9001 by BSI. The calibration result has been established by high precision titrimetric and/or gravimetric analysis using a UKAS accredited PrimAg certified reference material and certified balances calibrated with weights traceable to units of measurement realised at the National Physical Laboratory or other recognised national standards laboratories. This certificate may not be reproduced other than in full, except with the prior written approval of ROMIL Ltd. PrimAg is a registered trademark of ROMIL Ltd.