



0658

ISO 17025

Certificate of Calibration

Certificate Number: A123425

Date Issued: 01/09/2007

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Description:

Zinc 1000 ppm
element reference solution

Category & Code:

ROMIL PrimAg[®]-plus

E3ZN4

Specification:

Zn AW 65.41

1000 ppm as Zn

Solute: Zn metal

Matrix: HNO₃ 0.5M

Application: AA, ICP and IC calibration

Batch Number:

A123425

Date of Calibration:

September 2007

Calibration Result:

1000.3 ppm m/v @ 20°C

Expanded Uncertainty:

± 2.5 ppm

(ppm m/v = mg/L)

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 certificate is issued in accordance with the laboratory accreditation requirements to ISO 17025 of the United Kingdom Accreditation Service (UKAS). It provides SI-traceability of measurement to the mole realised by a PrimAg primary silver reference material, also to recognised national standards, and to units of measurement realised at the National Physical Laboratory or other recognised national standards laboratories. UKAS is one of the signatories to the Multilateral Agreement of the European co-operation for Accreditation (EA) as well as the International Laboratory Accreditation Cooperation (ILAC) Arrangement for the mutual recognition of calibration certificates issued by accredited 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.