

CERTIFICATE OF ACCREDITATION

In terms of section 22(2)(b) of the Accreditation for Conformity Assessment, Calibration and Good Laboratory Practice Act, 2006 (Act 19 of 2006), read with sections 23(1), (2) and (3) of the said Act, I hereby certify that:-

BUCKMAN LABORATORIES (PTY) LTD
NEWCASTLE
Co. reg no: 1971/007019/07

Facility Accreditation Number: **T0386**

is a South African National Accreditation System accredited Testing Laboratory
provided that all SANAS conditions and requirements are complied with

This certificate is valid as per the scope as stated in the accompanying schedule of accreditation,
Annexure "A", bearing the above accreditation number for

CHEMICAL ANALYSIS

The facility is accredited in accordance with the recognised International Standard

ISO/IEC 17025:2005

*The accreditation demonstrates technical competency for a defined scope and the operation of a
laboratory quality management system*

While this certificate remains valid, the Accredited Facility named above is authorised to
use the relevant SANAS accreditation symbol to issue facility reports and/or certificates

Mr R Josias
Acting Chief Executive Officer

Effective Date: 31 March 2009
Certificate Expires: 30 March 2014

ANNEXURE A

SCHEDULE OF ACCREDITATION

Testing Laboratory Number: T0386

<p>Permanent Address of Laboratory: Buckman Laboratories (Pty) Ltd Water Laboratory ArcelorMittal Iscor Road New Castle 2940</p> <p>Postal Address: P O Box 25103 Newcastle 2940</p> <p>Tel : (034) 314-8468 Fax : (034) 314-8211 E-mail : regardt.vreeswijk@arcelormittal.com</p>		<p>Technical Signatories : Mrs W Rossouw : Mr R Vreeswijk</p> <p>Nominated Representative : Mr R Vreeswijk</p> <p>Issue No. : 02 Date of Issue : 31 March 2009 Expiry Date : 30 March 2014</p>
Materials/Products Tested	Types of Tests/Properties Measured, Range of Measurement	Standard Specifications, Equipment/Techniques Used
CHEMICAL		
Water: Industrial Water, River Water and Potable Water	<p>ICP-OES High Level Concentrations:</p> <p>Calcium as Ca (0 to 150) mg/l Magnesium as MG (0 to 120) mg/l Molybdenum as Mo (0 to 20) mg/l Phosphorus as P (0 to 30) mg/l Silicon as Si (0 to 30) mg/l</p> <p>ICP OES Low Level Concentrations: (0 to 3.0) mg/l</p> <p>Barium as Ba Calcium as Ca Chromium as Cr Copper as Cu Iron as Fe Lead as Pb Magnesium as Mg Manganese as Mn Molybdenum as Mo Phosphorus as P Silicon as Si Strontium as Sr Zinc as Zn</p>	Method no: WSI 09

Original date of accreditation: 31 March 2009

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ISSUED BY THE SOUTH AFRICAN NATIONAL ACCREDITATION SYSTEM

Field Manager