



## 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:-*

**MIDVAAL WATER COMPANY NPC**

**Co. Reg. No.: 1954/02224/08**

**STILFONTEIN**

**Facility Accreditation Number: T0132**

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

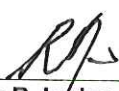
### CHEMICAL & MICROBIOLOGICAL ANALYSIS

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

  
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Mr R Josias  
Chief Executive Officer

Effective Date: 06 September 2012  
Certificate Expires: 05 September 2017



ANNEXURE A

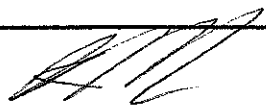
SCHEDULE OF ACCREDITATION

Facility Number: T0132

<p><b><u>Permanent Address of Laboratory:</u></b>                  Midvaal Water Company NPC                  Farm Buffelsfontein 443 IP                  District Klerksdrop</p> <p><b><u>Postal Address:</u></b>                  P O Box 31                  Stilfontein                  2550</p> <p>Tel: (018) 482- 9500                  082 569 0855                  Fax: 086 698 4740                  E-mail: <a href="mailto:qc@midvaalwater.co.za">qc@midvaalwater.co.za</a></p>	<p><b><u>Technical Signatories:</u></b></p> <p>Mr Jan Pietersen (All)                  Ms M Butler (BL 1, BL 2, BL 4 &amp; BL 5)                  Ms S Janse van Rensburg (BL1 &amp; BL5 (Water only), N9, AL2)                  Ms B Mokhashane (N 7)                  Mr C Stokes (AAL 5 &amp; ICP 1)                  Ms L Labuschagne(BL1,BL2, BL4,BL5)                  Ms SF Venter (BL 1 &amp; BL 5 (Water only GL 7-1, GL 7-2, GL 7-3, GL 7-4, GL 7-5, GL 7-6 GL 1, GL4, GL 5, WL 1, WL 2 &amp; WL 3)                  Ms P Kofi (WL1, WL2, WL3, WL8A, WL9A, WL10, N8)</p> <p><b><u>Nominated Representative:</u></b> Ms D von Möllendorf</p> <p>Issue No.: 15                  Date of Issue: 23 September 2013                  Expiry Date: 05 September 2017</p>	
<p><b>Materials / Products Tested</b></p>	<p><b>Type of Tests / Properties Measured, Range of Measurement</b></p>	<p><b>Standard Specifications, Equipment / Technique Used</b></p>
<p><b><u>CHEMICAL LABORATORY</u></b>                  Water (Including waste and process, water)</p>	<p>Total and dissolved organic carbon                  Ammonia by distillation                  Fluoride by ISE                  Nitrate &amp; nitrite by distillation                  pH                  Electrical conductivity at 25 °C                  Turbidity                  Suspended solids at 105 °C                  Total dissolved solids at 180 °C                  Alkalinity by auto-titrator</p>	<p>AAL 5                  GL 1                  GL 4                  GL 5                  WL 1                  WL 2                  WL 3                  WL 5                  WL 6                  WL 8-A</p>

Original Date of Accreditation: 01 March 2002

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**Field Manager**

# ANNEXURE A

Facility No.: T0132  
Date of Issue: 23 September 2013  
Expiry Date 05 September 2017

Materials / Products Tested	Type of Tests / Properties Measured, Range of Measurement	Standard Specifications, Equipment / Technique Used
	Chloride by auto-titrator	WL 9-A
	Sulphate by Turbidity	WL 10
	Total Kjeldahl nitrogen	N 7
	Total phosphorus	N 8
	COD – Colorimetric method	N 9
	Determinations using ICP-OES: Calcium Magnesium, Potassium, Sodium, Barium, Aluminium, Cadmium, Copper, Iron, Manganese, Lead, Cobalt, Nickel, Zinc, Vanadium, Boron, Uranium, Strontium, Mercury, Arsenic, Selenium, Chromium Molybdenum, Antimony, Gold, Lithium, Silver, Beryllium, Tin and Titanium.	ICP 1
	<b><u>Automated Photometric Analysis:</u></b> <b><u>(Discrete analyser)</u></b>	
	Ammonia	GL 7 - 1
	Nitrate & Nitrite	GL 7- 2
	Nitrite	GL 7 - 3
	Sulphate	GL 7 - 4
	Chloride	GL 7 - 5
	Hexavalent chromium (Cr 6 <sup>b</sup> )	GL 7 - 6
<b><u>MICROBIOLOGICAL LABORATORY</u></b>		
Water (Including waste and process water)	Heterotrophic plate count, faecal and total coliform bacteria	BL 1
Milk	Heterotrophic plate count	BL 2
Milk	Phosphatase	BL 4
(Including waste and process) Milk	Enumeration of coliform bacteria and Escherichia coli by Collert™	BL 5
(Including waste and process)	Total chlorophyll	AL2

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ISSUED BY THE SOUTH AFRICAN NATIONAL ACCREDITATION SYSTEM

  
**Field Manager**