



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

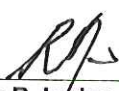
CHEMICAL & MICROBIOLOGICAL ANALYSIS

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



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