



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:-

SWIFT SILLIKER (PTY) LTD
Co. Reg. No.: 2000/025067/07
MIDRAND

Facility Accreditation Number: **T0350**

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

MICROBIOLOGICAL AND 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

Dr E Steyn
Acting Chief Executive Officer

Effective Date: 01 August 2011
Certificate Expires: 31 July 2016



ANNEXURE A
SCHEDULE OF ACCREDITATION

Facility Number: **T0350**

Permanent Address of Laboratory:

Swift Silliker (Pty) Ltd - Midrand
Stellenryk Building
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Midrand
1685

Technical Signatories:

Ms A Magade (Microbiology)
Ms L Tsotetsi (Microbiology)
Ms S Nobela (Microbiology)
Mr LN Mmushi (Microbiology)
Mr RC Neluvhalani (Microbiology)
Mr M Ndlovu (Chemistry)
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1685

Nominated Representative:

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| Material or Products Tested | Type of Tests/ Property measured, Range of measurement | Standard Specifications, Techniques / Equipment Used |
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| MICROBIOLOGY | | |
| Food and related products, Cosmetics, Pharmaceutical products, Water and Swabs | Enumeration of <i>Bacillus cereus</i> | SWJM 32 |
| | Enumeration of <i>Clostridium perfringens</i> | SWJM 54 (Ref. ISO 7937) |
| | Enumeration of Coliforms | SWJM 48 (Ref. ISO 4832/ SANS 5221) |
| | Enumeration of <i>Enterobacteriaceae</i> | SWJM 49 (Ref. ISO21528-2) |
| | Enumeration of <i>Escherichia coli</i> in water | SWJM 45 (SANS 5221) |
| | Enumeration of Glucuronidase positive <i>Escherichia coli</i> | SWJM 62 (Ref. ISO 16649-2) |
| | Detection of Viable <i>Escherichia coli</i> 0157 | SWJM 63 |

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| | Enumeration of Faecal (Thermotolerant) coliforms | SWJM 56 (Ref. SANS 5221) |
| | Enumeration of intestinal <i>Enterococci</i> (<i>Faecal Streptococcus</i>) | SWJM 57 (Ref. ISO 7899-2) |
| | Enumeration of Lactic acid bacteria | SWJM 10 (Ref. ISO 15214) |
| | Enumeration of <i>Lactobacillus</i> | SWJM 08 (Ref ISO 15214) |
| | Detection of <i>Listeria</i> species.(incl. <i>Listeria monocytogenes</i>) | SWJM 23 (Ref. ISO 11290-1) |
| Food and related products, Cosmetics Pharmaceutical products, Water, Swabs | Detection of <i>Listeria</i> species / <i>Listeria monocytogenes</i> using Rapid <i>L. mono</i> agar | SWJM 52 (AFNOR SDP-07/04-09/98) |
| | Enumeration of <i>Listeria monocytogenes</i> | SWJM 64 (ISO 11290-2) |
| | Enumeration of <i>Pseudomonas</i> spp. | SWJM 46 (Ref ISO 13720/ ISO 16266) |
| Food and related products, Cosmetic Pharmaceutical products, Water, Swabs | Detection of <i>Salmonella</i> species (Rapid Culture method) | SWJM 58 (AFNOR UNI 03/06-12/07) |
| | Enumeration of coagulase positive <i>Staphylococcus aureus</i> | SWJM 53 (Ref. ISO 6888-1) |
| | Enumeration of Total Microbial Activity (TMA) | SWJM 35 (Ref. ISO 4833 /SANS5221/ SANS 5763) |
| | Enumeration of Thermophilic & Aciduric Flat Sour Spoilers | SWJM 34 |
| | Detection of pathogenic <i>Vibrio</i> spp. | SWJM 55 |
| | Enumeration of Yeasts & Moulds | SWJM 50 (Ref. ISO 7954) |
| Formulated / Pharmaceutical Products | Antimicrobial Preservative Efficacy Testing | SWJM 25 (Ref. USP) |
| Disinfectants | Disinfectant Efficacy Testing of QAC based disinfectants / sanitizers | SWJM 30 (Ref. SANS 636) |

Facility Number: T0350

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| Microbiological Cultures (also as part of methods above) | API Identification Systems | SWJM 47 |
| Food and Feeding stuff, Swabs | Detection of <i>Salmonella</i> using VIDAS Easy SLM Protocol | SWM.MIC.001 (AFNOR BIO 12/16-09/05) |
| | Detection of <i>Listeria</i> species & <i>Listeria monocytogenes</i> using VIDAS LDUO Protocol | SWM.MIC.002 (AFNOR BIO 12/18-03/06) |
| Poultry, Meat, Milk | Detection of <i>Campylobacter</i> using VIDAS CAM Protocol | SWM.MIC.003 (BIO 12/29-05/10) |
| Retort pouches | Commercial Sterility | SWM.MIC.011 (SANS 6268) |
| Food and feeding stuffs; Spices; Dried pet food and raw materials in 25 and 375 grams; Water and swabs | Detection of <i>Salmonella</i> using ISO 6579 | SWJM 67 (ISO 6579) |
| Aromatic plants and spices; Flour – 375 grams | Detection of <i>Salmonella</i> using VIDAS SLM | SWM.MIC.004 (MC 0743) |
| Confectionery products and raw material | Detection of <i>Salmonella</i> using KIC II method | SWM.MIC.008 |
| | <i>Enterobacteriaceae</i> using Most Probable number | SWM.MIC.007 (ISO 21528-1) |
| Pet food and related raw materials; Swabs | Detection of <i>Salmonella</i> using Automated PCR BAX Q7 | SWM.MIC.012 |
| CHEMISTRY | | |
| Dairy Products | Determination of Moisture and Total Solid Content | SWM.CHEM.001 (Ref. IDF 26A; ISO 6731; IDF 21; ISO 5534; ISO 13580; ISO 3727) |
| | Determination of Total Fat Content in Dairy Products | SWM.CHEM.014 (Ref. ISO 7208; ISO 1736; ISO 2450; ISO 1737; ISO 1211; ISO 3727-2; ISO 8262-3; ISO 1735; IDF 5) |
| | Non protein Nitrogen and calculation of Casein | SWM.CHEM.002 (Ref. ISO 8968-4) |
| Dairy Products, Fruit Juices and Concentrates | Determination of Protein Content by Kjeldahl method | SWM.CHEM.003 (Ref. ISO 8968-2; EN 12135; IDF 20) |

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| Food Products | Determination of Protein Content by Dumas method | SWM.CHEM.004 (Ref. ISO 14891; ISO 16634-1; ISO 16634-2) |
| | Determination of Sodium by Atomic Absorption | SWM.CHEM.005 (Ref. EN 15505; ISO 8070; EN 1134; EN 13805) |
| | Determination of pH of various foods | SWM.CHEM.006 (Ref. ISO 7238; EN 1132; ISO 2917; AFNOR Guideline FD V04-035) |
| | Determination of Sugars by HPLC | SWM.CHEM.008 (Ref. IOCCC Analytical method 34) |
| | Determination of Total Dietary Fibre | SWM.CHEM.009 (Ref. AOAC 985. 29; AOAC 991.43) |
| | Determination of Moisture and Total Solid Content | SWM.CHEM.010 (Ref. NF V04-401; EN 12145; ISO 712) |
| | Determination of Fatty Acids by GC | SWM.CHEM.011 (Ref. AOAC 996. 06; NF V03-030) |
| | Determination of Total Fat Content | SWM.CHEM.025 (Ref. ISO 1443) |
| | Determination of Ash Content | SWM.CHEM.026 (Ref. AOAC 945. 46; AOAC 930.30; AOAC 935.42; AOAC 920.108; ISO 936; ISO 2171; EN 1135; NF V04-404) |
| | Determination of Starch | SWM.CHEM.007 (Ref. AOAC Method 996.11) |
| | Determination of Cholesterol | SWM.CHEM.0024 (Ref. AOAC Method 994.10) |
| Food Products | Total Carbohydrates by difference with Fibre in % | SWP.CHEM.030 (Calculation) |
| | Energy Value | SWP.CHEM.030 (Calculation) |

Facility Number: T0350

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| | Glycaemic Carbohydrates | SWP.CHEM.030 (Calculation) |
| Cereal and Cereal Products; Nuts and Nut Products; Fruit and Fruit Products, Spices | Determination of Aflatoxins (B1; B2; G1& G2) by HPLC | SWM.CHEM.012 (Ref. AOAC 991.31) |
| Cereal based feed products | Determination of Aflatoxin B1 | SWM.CHEM.012 (Ref. AOAC 991.31) |
| Food and Beverages | Determination of Density at 20 ± 2°C | SWM.CHEM.029 (Ref. AOAC 988.06) |

Original Date of Accreditation: 01 August 2006

ISSUED BY THE SOUTH AFRICAN NATIONAL ACCREDITATION SYSTEM



Field Manager