

## ANNEXURE A

### SCHEDULE OF ACCREDITATION

Facility Number: **T0393**

**Permanent Address of Laboratory:**

Microchem Laboratory Services (Pty) Ltd  
 5 Dairy Street  
 Stikland Industria  
 Cape Town  
 7580

**Technical Signatories:**

- Ms I Liedemann (Microbiology: All Methods)
- Mr JG Esterhuizen (Chemistry: S.O.P.C 1, 2, 14, 19, 20, 25, 26, 27, 29, 33, 36, 41, 53, 54, 45)
- Mr S Moses (Microbiology: All Methods)
- Mr K Stungu (Chemistry: S.O.P.C 1, 2, 14, 19, 20, 25, 26, 27, 29, 33, 36, 52, 53, 54, 73, 45, 55, 65, 66, 67, 72, 79, 56)
- Mr S Tsewu (Chemistry: S.O.P.C 1, 2, 14, 19, 20, 25, 26, 27, 29, 33, 36, 52, 53, 54, 73, 45, 55, 56, 65, 66, 67, 72, 79)
- Mr R van Kerpel (Pesticides: S.O.P.C 57, 63, 64, 80, 81, 82)
- Mr W May (Chemistry: S.O.P.C 1, 2, 14, 19, 20, 25, 26, 29, 33, 36, 52, 53, 54, 73, 45, 55, 65, 67, 72, 79, 56, 27, 66)
- Mr R Andrews (Chemistry: S.O.P.C 1, 2, 14, 19, 20, 25, 26, 27, 29, 33, 36, 52, 53, 54, 73, 45, 55, 65, 66, 67, 72, 79, 56, 79)
- Mr N Moydien (Microbiology: All Methods)
- Ms N Abrahams (Microbiology : All Methods)
- Ms K Ipeleng (Microbiology : All Methods)
- Mr A Retief (Pesticides : S.O.P.C 57, 63, 64, 80, 81, 82)
- Mr A Reynard (Pesticides: S.O.P.C 57, 63, 64, 80, 81, 82)
- Mr R van der Merwe (Pesticides: S.O.P.C 57, 63, 64, 80, 81, 82)

**Postal Address:**

P O Box 164  
 Soneike  
 7583

**Nominated Representative:**

Mr L Louw

**Tel:** (021) 465-6996  
**Fax:** (021) 465-6983  
**E-mail:** luaan.louw@microchem.co.za

**Issue No.:** 31  
**Date of Issue:** 07 December 2021  
**Expiry Date:** 10 April 2023

Material or Products Tested	Type of Tests / Properties Measured, Range of Measurement	Standard Specifications, Techniques / Equipment Used
<b>CHEMICAL</b>		
Protein, Seafood, Produce, Dairy, Miscellaneous & Beverages	Determination of % Moisture	S.O.P.C No.1: AOAC 950.46 Method: Oven Drying
	Determination of % Ash	S.O.P.C No.2: AOAC 923.0

	Determination of % Salt as Sodium Chloride	Method: Ashing by Furnace S.O.P.C No.14: AOAC 971.27& Metrohm Application Method: Potentiometric
	Determination of % Acidity	S.O.P.C No.19: AOAC 942.15 Method: Titration
Protein, Seafood, Produce, Dairy, Miscellaneous & Beverages	Determination of Total Dietary Fibre	S.O.P.C No.20: AOAC 991.43 Method: Enzyme gravimetric analysis
	The Determination of Total Fat; Saturated Fat; Mono-unsaturated Fat; Poly un-saturated Fat; Trans Fat	S.O.P.C No.25: AOAC 996.06 Method: GC
	The Determination of Cholesterol	S.O.P.C No.26: AOAC 996.06 Method: GC
	Determination of Vitamin A & Vitamin E	S.O.P.C No.29: AACC Method: 86-06 Method: HPLC
	Determination of Vitamin C	S.O.P.C No.33: AOAC 984.26 Method: HPLC
	Determination of % Nitrogen & % Protein	S.O.P.C No.36 Method: Dumas combustion method
	Determination of Total Sugar by GC; % Fructose, % Glucose, % Sucrose, % Maltose; % Lactose; % Trehalose; % Galactose	S.O.P.C No.52 Method: GC
	Determination of % Starch	S.O.P.C No.53: AOAC 996.11 Method: HPLC
	Calculation of Glycaemic Carbohydrates	S.O.P.C No.54
	Determination of Total Sugar Alcohols in Foods	S.O.P.C No. 73: Method: Gas Chromatography
Protein, Seafood, Produce, Dairy, Miscellaneous & Beverages	Determination of Elemental Content Na, Mg, K, P, Zn, Ca, Cu, Fe, As, Cd, Pb,	S.O.P.C No.45 Method: ICP OES
	Determination of Vitamin B1, Vitamin B2 Vitamin B3 and Vitamin B6	S.O.P.C No.56 Method: HPLC
Rice, cereals, feed, peanut butter, nuts and legumes	Determination of the Total Aflatoxins	S.O.P.C 79 Method: ELISA
Residues in Foods and Agricultural Products: Pome Fruit, Stone Fruit, Citrus Fruit, Grapes and Small Berries, Tropical and Subtropical Fruit,-Edible and Inedible Peel, Water Tea and High Oil Fruit	Quantitative Determination of Pesticide Residues by GC-MS/MS and LC-MS/MS	S.O.P.C No. 57: EN 15662 QuÉCHERS Method: GC-MSMS and LC-MSMS
	Quantitative Determination of CS2 by Headspace GC-MS	S.O.P No 63 Method: GC-MS
	Quantitative Determination of Ethephon Residues in Fresh Fruit by LC-MS/MS	S.O.P.C No.64: Quppe Method: LC-MSMS
Water (Potable, Domestic and	Determination of Ammonium,	S.O.P.C No.55 Method:

Industrial Purpose)	Chloride, Cyanide, Fluoride, Nitrate, Nitrite, Phenol, Monochloramine, Free Chlorine, Sulphate and Total Organic Carbon	Spectrophotometer
	Determination of Conductivity and Total Dissolved Solids	S.O.P.C No.65 Method: Conductivity meter
	Determination of pH	S.O.P.C No. 66 Method: pH meter
	Determination of Turbidity	S.O.P.C No.67 Method: Turbidity meter
	Determination of Colour	S.O.P.C No.72 Method: Spectrophotometer
Pome Fruits, Stone Fruits, Citrus Fruits, Grapes and Small Berries, Tropical and Subtropical Fruit-Edible and Inedible Peel, Water, Tea and High Oil Fruit	Quantitative determination of Glyphosate and Aminomethylphosphonic Acid residues in Fresh Fruit by LC-MSMS	S.O.P.C No. 80 Glyphosate and Aminomethylphosphonic Acid by LC-MSMS
	Quantitative determination of Fosetyl-Aluminium and Phosphonic acid residues in Fresh Fruit by LC-MSMS	S.O.P.C No. 81 Fosetyl Aluminium and Phosphonic acid by LC-MSMS
	Quantitative determination of Chlorates and Perchlorates residues in Fresh Fruit by-LC-MSMS	S.O.P.C No. 82 Chlorates and Perchlorates residues by LC-MSMS
<b>MICROBIOLOGY</b>		
Protein, Seafood, Produce, RTE/Multi-component foods, Dairy, Swabs & Miscellaneous	Enumeration of Total Viable Mesophilic Aerobic Organisms in Foods, Colony Count Technique at 35°C	S.O.P.M 1C: MFHPB-18
	Detection of <i>Salmonella</i> spp	S.O.P.M 9F: AFNOR BRD 07/11-12/05
Protein, Seafoods, Produce, RTE Multi Component, Dairy, Miscellaneous & Environmental Samples	Determination of Virulence Genes in Shiga Toxin Producing <i>Escherichia coli</i> (STEC) using PCR	S.O.P.M 33: ISO /TS 13136:2012
Protein, Seafoods, Produce, RTE Multi Component, Dairy, Miscellaneous & Environmental Samples and Water	Determination of viable <i>Listeria</i> spp.	S.O.P.M 7H: AFNOR BRD 07/04-09/98
Protein, Seafoods, Produce, RTE Multi Component, Dairy, Miscellaneous & Environmental Samples and Water	Detection of viable <i>Listeria</i> spp.	S.O.P.M 7I: AFNOR BRD 07/16-01/09
Protein, Seafoods, Produce, RTE Multi Component, Dairy, Miscellaneous & Environmental Samples and Water	Detection of viable <i>Listeria monocytogenes</i> organisms	S.O.P.M 7B: AFNOR BRD 07/04-09/98
	Enumeration of Yeasts and Moulds, Colony Technique at 25°C	S.O.P.M 5B: AOAC 6.1:1997
	Enumeration of Coliforms, Colony	S.O.P.M 2C: ISO 4832

	Count Technique at 37°C	
	Enumeration of viable <i>Escherichia coli</i>	S.O.P.M 3F:ISO 16649-2
	Enumeration of coagulase-positive staphylococci ( <i>Staphylococcus aureus</i> and other species)	S.O.P.M 4F: ISO 6888-2
	Enumeration of <i>Enterobacteriaceae</i> without resuscitation, colony count technique at 37°C	S.O.P.M 6A: ISO 21528
	Quantitative Enumeration of viable <i>Listeria monocytogenes</i> organisms	S.O.P.M 7C: AFNOR BRD 07/05-09/01
Protein, Seafood, Produce, RTE/Multi-component foods, Dairy & Miscellaneous	Enumeration of presumptive <i>Bacillus cereus</i> , colony count	S.O.P.M 12B Oxoid
	Enumeration of <i>Clostridium perfringens</i> , colony count technique at 35°C	S.O.P.M 16 Oxoid
Drinking & Raw water	The Determination of the Heterotrophic Total Bacteria Bacterial Count in at 35°C	S.O.P.M 1F:APHA 9215
	Enumeration of Coliforms in, Membrane Filtration Method at 37°C, without Further Confirmation	S.O.P.M 2F: AFNOR BRD 07/20-03/11
	Enumeration of <i>Escherichia coli</i> , Membrane Filtration Method at 37°C, without further Confirmation	S.O.P.M 3H: AFNOR BRD 07/20-03/11
	Enumeration of Thermotolerant (faecal) Coliforms, Membrane Filtration method: at 44°C Without Further Confirmation	S.O.P.M 28: AFNOR BRD 07/20-03/11
Protein, Seafood, Produce, RTE/Multi-component foods & Dairy	Enumeration of Mesophilic Lactic Acid Bacteria	S.O.P.M 10A: ISO 15214:1998(E)
	Enumeration of <i>Pseudomonas</i> species, colony count technique at 25°C	S.O.P.M 11A: ISO 13720

Original Date of Accreditation: 11 April 2008

ISSUED BY THE SOUTH AFRICAN NATIONAL ACCREDITATION SYSTEM

  
 \_\_\_\_\_  
 Accreditation Manager