sanas
South African National Accreditation System

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:-

SGS SOUTH AFRICA (PTY) LTD

Co. Reg. No.: 1949/032643/07

Facility Accreditation Number: **T0595**

is a South African National Accreditation System accredited facility provided that all 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 AND MICROBIOLOGICAL ANALYSIS

The facility is accredited in accordance with the recognised International Standard

ISO/IEC 17025:2017

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

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

Mr T Baleni
Acting Chief Executive officer

Effective Date: 01 May 2023
Certificate Expires: 02 May 2028

ANNEXURE A

SCHEDULE OF ACCREDITATION

Facility Number: **T0595**

Permanent Address of Laboratory:

SGS South Africa (Pty) Ltd
Agri Food Laboratory
Panther Park
11 Berkley Road
Maitland
7145

Technical Signatories:

Mrs C Jordaan (WI-AN-001,002, 003, 009, 029, 039, 062, 063, 120, 006)
Mrs S Sardinha (WI-AN-002, 004, 005, 011, 022, 023, 024, 030, 038, 062 & 063, 120)
Ms N Mankonkwana (WI-AN-002, 005, 023, 038, 009)
Mr C Beretta (WI-AN-003, 004, 007, 012, 022, 030, 062, 063, 120, 133)
Mr R Carlse (WI-AN-011, 024, 062, 063, 120, 008)
Mrs L Fortune (WI-AN-001, 013, 014, 029, 094)
Ms S Ndamane (WI-AN-001, 094)
Mr L Cenya (WI-AN-004, 022, 030)
Mr N Mdingi (WI-AN-013, 006)
Mrs N Oosterwyk (WI-AN-002, 023)
Ms N Honono (WI-AN-007, 008, 014, 133)
Ms N Jali (All Microbiology Methods)
Mr L Nelana (WI-AN-012, 017, 061)
Ms M Muller (WI-AN-017, 061)
Ms M Ellard (WI-AN-139, 140, 141, 142, 143, 144, 145,146, 147)
Ms K Ndata (WI-AN-139, 140, 141, 142, 143, 144, 145, 146, 147)

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Nominated Representative:

Mrs S Sardinha

Issue No.: 20
Date of Issue: 01 May 2023
Expiry Date: 02 May 2028

Material or Products Tested	Type of Tests / Properties Measured, Range of Measurement	Standard Specifications, Techniques / Equipment Used
CHEMICAL		
Food (Cereals, Spices, Nuts, and Nut Products, Dairy Products, Edible Fats and Oil, Fruit and Fruit Products, Fruit Juice and Concentrates, Alcoholic Beverages, Soft Drinks, Cordials, Vegetable Products, Sugar and Sugar Products, Additives, Meat and Meat Products, Confectionery, Fish and Fish Products, Egg and	Protein (Kjeltec)	WI-AN-001

Egg Products, Fortified Foods), Pet Foods, Feeds, Fishmeal, seeds and by-Products, Cereal Grain and by-Products		
Food (Cereals, Spices, Nuts and Nut Products, Dairy Products, Fruit and Fruit Products, Vegetable Products, Sugar and Sugar Products, additives, meat and Meat Products, Confectionery, Fish and Fish Products, Egg and Egg Products, Fortified Foods), Pet Foods, Feeds, Fishmeal, seeds and by-Products, Cereal Grains and by-Products, Feedstock	Protein (Dumas)	WI-AN-094
Food (Cereal & Cereal by-Products, Spices, Nuts and Nut Products, Meat and Meat Products, Confectionery, Fish and Fish Products, Egg and Egg Products, Fortified Foods, Margarine, Edible Fats and Oils, Waxes), Pet Foods, Feeds, Fishmeal, Seeds and by-Products, Cereal Grains and by-Products, Feedstock	Free Fatty Acids	WI-AN-002
Food (Cereals, Spices, Nuts and Nut Products, Dairy Products, Edible Fats and Oils, Fruit and Fruit Products, Fruit Juice and Concentrates, Alcoholic Beverages, Soft Drinks, Cordials, Vegetable Products, Sugar and Sugar Products, Additives, Meat and Meat Products, Confectionery, Fish and Fish Products, Egg and Egg Products, Fortified Foods, Margarine), Pet Foods, Feeds, Fishmeal, Seeds and by-Products, Cereal Grains and by-Products, Feedstock	Sodium (ICP-MS)	WI-AN-004
Food (Cereals, Spices, Nuts and Nut Products, Dairy Products, Fruit and Fruit Products, Fruit Juice and Concentrates, Alcoholic Beverages, Soft Drinks, Cordials, Vegetable Products, Sugar and Sugar Products, Additives, Meat and Meat Products, Confectionery, Fish and Fish Products, Egg and Egg Products, Fortified Foods), Pet Foods, Feeds, Fishmeal, Seeds and by-Products, Cereal Grains and by-	Salt (Sodium Chloride)	WI-AN-003

Products, Feedstock		
Food (Cereals, Spices, Nuts and Nut Products, Dairy Products, Edible Fats and Oils, Fruit and Fruit Products, Fruit Juice and Concentrates, Alcoholic Beverages, Soft Drinks, Cordials, Vegetable Products, Sugar and Sugar Products, Additives, Meat and Meat Products, Confectionery, Fish and Fish Products, Egg and Egg Products, Fortified Foods), Pet Foods, Feeds, Seeds and by-Products, Cereal Grains and by-Products, Feedstock	Starch (Enzymatic)	WI-AN-008
Fish and Fish Products	Histamine (HPLC)	WI-AN-009
Food (Cereals, Spices, Nuts and Nut Products, Dairy Products, Edible Fats and Oils, Fruit and Fruit Products, Fruit Juice and Concentrates, Alcoholic Beverages, Soft Drinks, Cordials, Vegetable Products, Sugar and Sugar Products, Additives, Meat and Meat Products, Confectionery, Fish and Fish Products, Egg and Egg Products, Fortified Foods), Pet Foods, Feeds, Seeds and by-Products, Cereal Grains and by-Products, Feedstock	Total Dietary Fibre (Enzymatic)	WI-AN-006
Food (Cereals, Spices, Nuts and Nut Products, Dairy Products, Fruit and Fruit Products, Soft Drinks, Cordials, Vegetable Products, Sugar and Sugar Products, Additives, Meat and Meat Products, Confectionery, Fish and Fish Products, Egg and Egg Products, Fortified Foods), Pet Foods	Fat (Gravimetric)	WI-AN-005
Food (Cereals, Spices, Nuts and Nut Products, Dairy Products, Edible Fats and Oils, Fruit and Fruit Products, Fruit Juice and Concentrates, Alcoholic Beverages, Soft Drinks, Cordials, Vegetable Products, Sugar and Sugar Products, Additives, Meat and Meat Products, Confectionery, Fish and Fish Products, Egg and Egg Products, Fortified Foods), Pet Foods, Feeds, Seeds and by-Products, Cereal Grains and by-	Sugars (HPLC) (Fructose, Glucose, Galactose, Sucrose, Maltose, Lactose, Trehalose)	WI-AN-007

Products, Feedstock		
Food (Cereals, Spices, Nuts and Nut Products, Dairy Products, Edible Fats and Oils, Fruit and Fruit Products, Fruit Juice and Concentrates, Alcoholic Beverages, Soft Drinks, Cordials, Vegetable Products, Sugar and Sugar Products, Additives, Meat and Meat Products, Confectionery, Fish and Fish Products, Egg and Egg Products, Fortified Foods), Pet Foods, Feeds, Seeds and by-Products, Cereal Grains and by-Products, Feedstock	Sorbitol	WI-AN-007
Food (Cereals, Spices, Nuts and Nut Products, Dairy Products, Edible Fats and Oils, Fruit and Fruit Products, Fruit Juice and Concentrates, Vegetable Products, Sugar and Sugar Products, Additives, Meat and Meat Products, Confectionery, Fish and Fish Products, Egg and Egg Products, Fortified Foods, Margarine) Feeds (Pet Foods, Seeds and by-Products, Cereal Grains and by-Products, Feedstock)	Fatty Acid Methyl Esters (FAME) (GC) (Saturated Fatty Acids/Fat, Monounsaturated Fatty Acids/Fat, Polyunsaturated Fatty Acids/Fat & Trans Fat)	WI-AN-011
Food (Cereal, Spices, Nuts and Nuts Products, Edible Fats and Oils, Fruit Juice and Concentrates) Pet Foods, Feeds, Fishmeal, Seeds and by-Products, Cereal Grains and by-Products, Feedstock	Aflatoxin B1, B2, G1, G2 and Total Aflatoxin	WI-AN-017
Food (Cereals, Spices, Nuts and Nut Ochratoxin A Products, Fruit and Alcoholic beverages) Feeds (Pet foods, Oil, Seeds and by-Products, Cereal Grains and by-Products, Feedstock)	Ochratoxin A	WI-AN-061
Cloudy and Clear Fruit Juice, Puree and Concentrates	Patulin (HPLC)	WI-AN-012
Feeds, Fishmeal, Seeds and by-Products, Cereal Grains and by-Products, Feedstock	Crude Fat (Hexanes Extraction)	WI-AN-029

Food (Cereals, Spices, Nuts and Nut Products, Dairy Products, Edible Fats and Oils, Fruit and Fruit Products, Fruit Juice and Concentrates, Alcoholic Beverages, Soft Drinks, Cordials, Vegetable Products, Sugar and Sugar Products, Additives, Meat and Meat Products, Confectionery, Fish and Fish Products, Egg and Egg Products, Fortified Foods, Margarine), Pet Foods, Feeds, Fishmeal, Seeds and by-Products, Cereal Grains and by-Products, feedstock)	Heavy Metals (ICP-MS) (Hg, Cd, Pb, As, Cr)	WI-AN-030
Food (Cereals, Spices, Nuts and Nut Products, Dairy Products, Edible Fats and Oils, Fruit and Fruit Products, Fruit Juice and Concentrates, Alcoholic Beverages, Soft Drinks, Cordials, Vegetable Products, Sugar and Sugar Products, Additives, Meat and Meat Products, Confectionery, Fish and Fish Products, Egg and Egg Products, Fortified Foods) and Pet Foods	Glycaemic Carbohydrates in foods not containing maltodextrin	WI-AN-062 (Calculation)
Food (Cereals, Spices, Nuts and Nut Products, Dairy Products, Edible Fats and Oils, Fruit and Fruit Products, Fruit Juice and Concentrates, Alcoholic Beverages, Soft Drinks, Cordials, Vegetable Products, Sugar and Sugar Products, Additives, Meat and Meat Products, Confectionery, Fish and Fish Products, Egg and Egg Products, Fortified Foods)	Energy Value in Foods not containing Alcohol	WI-AN-063 (Calculation)
Food (Dairy Products, Fruit Juice, Fruit Products and Concentrates, Alcoholic Beverages, Soft Drinks, Cordials, Vegetable Products, Sugar and Sugar Products, Additives)	Acidity (Titratable)	WI-AN-038
Food (Fruit juice, fruit Products and Concentrates, Alcoholic Beverages, Soft Drinks, Cordials, Vegetable Products, Fish and Fish Products, Meat and Meat Products, Sugar and Sugar Products, Additives, Confectionery, Dairy Products)	Sulphites (Optimised Monier-Williams method)	WI-AN-039

Food (Cereal & Cereal by-Products, Spices, Nuts and Nut Products, Meat and Meat Products, Confectionery, Fish and Fish Products, Egg and Egg Products, Fortified Foods, Margarine, Edible Fats and Oils, Waxes), Pet Foods, Feeds, Fishmeal, Seeds and by-Products, Cereal Grains and by-Products, Feedstock	Peroxide Value	WI-AN-023
Food (Cereals, Spices, Nuts and Nut Products, Dairy Products, Edible Fats and Oils, Fruit and Fruit Products, Fruit Juice and Concentrates, Alcoholic Beverages, Soft Drinks, Cordials, Vegetables and Vegetable Products, Sugar and Sugar Products, Additives, Meat and Meat Products, Confectionery, Fish and Fish Products, Egg and Egg Products, Fortified Foods, Margarine), Pet Foods, Feeds, Seeds and by-Products, Cereal Grains and by-Products, Feedstock and Waxes	Cholesterol	WI-AN-024
Food (Cereals, Spices, Nuts and Nut Products, Dairy Products, Edible Fats and Oils, Fruit and Fruit Products, Fruit Juice and Concentrates, Alcoholic Beverages, Soft Drinks, Cordials, Vegetable , Cosmetics, Products, Sugar and Sugar Products, Additives, Meat and Meat Products, Confectionery, Fish and Fish Products, Egg and Egg Products, Fortified Foods, Margarine) Pet Foods, Feeds, Fishmeal, Seeds and by-Products, Cereal Grains and by-Products, Feedstock	Metals & Minerals (ICP-MS) (Ca, Mg, P, K, Cu, Fe, Mn, Sn, Zn, Sb)	WI-AN-022
Food (Cereals, Spices, Nuts and Nut Products, Dairy Products, Fruit and Fruit Products, Fruit Juice and Concentrates, Alcoholic Beverages, Soft Drinks, Cordials, Vegetable Products, Sugar and Sugar Products, Additives, Meat and Meat Products, Confectionery, Fish and Fish Products, Egg and Egg Products, Fortified Foods, Margarine), Pet Foods, Feeds, Fishmeal, Seeds and by-Products,	Moisture	WI-AN-014

Cereal Grains and by-Products, Feedstock		
Food (Cereals, Spices, Nuts and Nut Products, Dairy Products, Fruit and Fruit Products, Fruit Juice and Concentrates, Alcoholic Beverages, Soft Drinks, Cordials, Vegetable Products, Sugar and Sugar Products, Additives, Meat and Meat Products, Confectionery, Fish and Fish Products, Egg and Egg Products, Fortified Foods, Margarine), Pet Foods, Feeds, Fishmeal, Seeds and by-Products, Cereal Grains and by-Products, Feedstock	Ash	WI-AN-013
Food (Cereals, Spices, Nuts and Nut Products, Dairy Products, Fruit and Fruit Products, Fruit Juice and Concentrates, Soft Drinks, Cordials, Vegetable Products, Sugar and Sugar Products, Additives, Meat and Meat Products, Confectionery, Fish and Fish Products, Egg and Egg Products, Fortified Foods) not Containing Alcohol	Available Carbohydrates & Energy Value in Foods not containing alcohol	WI-AN-120 (Calculation)
Cereal, Meat, Preserves/Jam, Feed, Spices/Seasoning, Condiments (sauce), Pet Food, Confectionary, Coffee, Dairy Products, Meat and Meat Products, Juice and Juice Concentrates, Fruit and Fruit Products, Nuts and Nut Products	Water Activity	WI-AN-133
Water (Drinking, Sewage, Effluent, Environmental)	Sodium (ICP-MS)	WI-AN-004
Water (Drinking, Sewage, Effluent, Environmental)	Metals & Minerals (ICP-MS) (Ca, Mg, P, K, Cu, Fe, Mn, Zn, Sb)	WI-AN-022
Water (Drinking, Sewage, Effluent, Environmental)	Heavy Metals (ICP-MS) (Hg, Cd, Pb, As, Cr)	WI-AN-030
Cosmetics	Heavy Metals (ICP-MS) (Hg, Cd, Pb, As, Cr)	WI-AN-030
	Metals & Minerals (ICP-MS) (Sb)	WI-AN-022
MICROBIOLOGY		
Food (Cereals, Spices, Nuts and Nut Products, Dairy Products, Edible fats & Oils, Fruit & Fruit Products, Fruit Juice &	Enumeration of *Clostridium perfringens*	WI-AN-042 based on ISO 7937:2004
	Enumeration of Coagulase positive	WI-AN-045 based on

Concentrates, Alcoholic Beverages, Soft Drinks, Cordials, Vegetable Products, Sugar & Sugar Products, additives, Meat & Meat Products, Confectionery, Fish & Fish Products, Egg & Egg Products, Fortified Foods)	*Staphylococci*	ISO 6888-1:1999
	Detection of *Salmonella* spp. per 25g	WI-AN-040 based on ISO 6579-1:2017
	Detection of *Shigella* spp.	WI-AN-049 based on ISO 21567:2004
Feed (Pet foods, Seeds & by-Products, Cereal Grains and by-Products, Feedstock), Swabs	Detection of *Salmonella* spp. per 375g	WI-AN-040 based on ISO 6579-1:2017
Water (Tap, Potable, Borehole, Surface, Ground)	Total Plate Count	WI-AN-047 based on ISO 5221:2018
	Total Coliforms	WI-AN-047 based on Colilert Method
	Faecal Coliforms	WI-AN-047 based on Colilert Method
	Escherichia coli	WI-AN-047 based on Colilert Method
Juice	Enumeration of *Alicyclobacillus*	WI-AN-083 based on IFU Method 12
Food (Cereals, Spices, Nuts and Nut Products, Dairy Products, Edible Fats & Oils, Fruit & Fruit Products, Fruit Juice & Concentrates, Alcoholic Beverages, Soft Drinks, Cordials, Vegetable Products, Sugar & Sugar Products, additives, Meat & Meat Products, Confectionery, Fish & Fish Products, Egg & Egg Products, Fortified Foods) Feeds (Pet foods, seeds & By-Products, Cereal Grains and By-Products, Feedstock) , Swabs	Detection of *Listeria* spp. & *Listeria monocytogenes* per 25g & 125g	WI-AN-130 based on ISO 11290-1:2017
Sugar and Sugar Products, Confectionary, Vegetable Products, Cereal, Nuts and Nuts Products, Dairy, Egg and Egg Products, Edible Fats and Oils Feeds (Pet foods, seeds & by-Products, Cereal Grains and By-Products, Feedstock) Fruit and Fruit Products, Meat and Meat Products, Fish and Fish Products, additives, Fruit and Fruit Products, Spices, Food additives, Fruit & Fruit Products, Swabs	Enumeration of Coliforms and *Escherichia coli*	WI-AN-139-based on ISO 16649-2 and ISO 4832
	Enumeration of *Enterobacteriaceae*	WI-AN-140-based on ISO 21528-2
Sugar and Sugar Products, Confectionery, Vegetable Products, Cereal, Spice, Nuts and Nut Products, Dairy, Egg and Egg Products, Edible Fats and Oils, Feed (Pet foods, seeds & by-	Enumeration of *Bacillus cereus*	WI-AN-141-based on ISO 7932

products, cereal grains and by-products, feedstock), Fruit and Fruit Products, Meat and Meat Products, Fish and Fish Products, additives, Food additivies		
Sugar and Sugar Products, Confectionery, Vegetable Products, Cereals, Nuts and Nut Products, Dairy, Egg and Egg Products, Edible Fat and Oils Feed (Pet foods, seeds & by-products, cereal grains and by-products, feedstock) Fruit and Fruit Products, Meat and Meat Products, Fish and Fish Products, Swabs, Fruit Juice and Concentrates, Alcoholic Beverages, Spices, Food additives)	Enumeration of Total Plate Count	WI-AN-146-based on ISO 4833-1
	Enumeration of Yeast and Mould	WI-AN-147-based on ISO 21527-1
Sugar and Sugar Products, Confectionary, Vegetable Products, Cereal, Spice, Nuts and Nut Products, Edible Fats and Oils, Feed (Pet foods, seeds & by-products, cereal grains and by-products, feedstock) , Fruit and Fruit Products, Meat and Meat Products, Fish and Fish Products, Swabs, Fruit Juice and Concentrates, Food additives	Detection of *Escherichia coli* 0157 (SOLUS) per 25g	WI-AN-143-based on ISO 16657
	Detection of *Listeria monocytogenes* (SOLUS) per 25g	WI-AN-144-based on ISO 11290-2
	Detection of *Listeria* spp. (SOLUS) per 25g	WI-AN-145 -based on ISO 11290-2
	Detection of *Salmonella* spp. (SOLUS) per 25g	WI-AN-142-based on ISO 6579-1

Original Date of Accreditation: 03 May 2013

ISSUED BY THE SOUTH AFRICAN NATIONAL ACCREDITATION SYSTEM

Accreditation Manager