

# 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:-

# SOUTHERN AFRICAN GRAIN LABORATORY NPC

Co. Reg. No.: 1997/018518/08

Facility Accreditation Number: T0116

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 PHYSICAL 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 R Josias Chief Executive Officer

Effective Date: 01 November 2019 Certificate Expires: 31 October 2024



Facility Number: T0116

#### ANNEXURE A

### SCHEDULE OF ACCREDITATION

Facility Number: T0116

Permanent Address of Laboratory:	Techi	ical Signatories:	
Southern African Grain Laboratory NPC Agri-Hub Office Park - Grain Building	Ms	J Nortje (All Methods excl. In-house method 029)	
477 Witherite Road	Ms	M Bothma (All Chemical Methods)	
The Willows	Ms	M Hammes (All Chemical Methods)	
Pretoria 0040	Ms	A de Jager (Nutrients & Contaminants Methods)	
	Ms	W Louw (In-house Methods 001, 002, 003, 010 & 026)	
	Ms	D Moleke (Rheological Methods)	
	Ms	l Terblanche (Rheological Methods)	
	Mrs	H Meyer (All Chemical, Nutrients and Contaminants & Grading Methods)	
	Ms	J Kruger (All Chemical Methods)	
	Ms	M Motlanthe (In-house Methods 001, 003 & 026)	
	Mr	B van Der Linde (Grading)	
	Ms	M Ramare (All Chemical Methods Excl. In- House Method 012 and SOP MC23)	
	Ms	Z Skhosana (In-house Method 026)	
	Ms	T de Beer (Rheological Methods)	

Postal	Address'

Postnet Suite # 391 Private Bag X1 The Willows

0041 Tel:

(012) 807-4019

Fax: N/A

E-mail: hannalien.meyer@sagl.co.za

Nominated Representative:

Mrs H Meyer

Issue No.: 29

Date of Issue: 14 October 2019

Expiry Date: 31 October 2024

Material or Products Tested	Type of Tests / Properties Measured, Range of Measurement	Standard Specifications, Techniques / Equipment Used
CHEMICAL		
Ground Barley	Moisture (Oven Method)	Analytical EBC Method 3.2, latest Edition (2 hour; 130 <sup>0</sup> C)
Cereal and cereal products specifically-wheat, rice, (hulled paddy), barley, millet, rye, and oats as grain, semolina and flour	Moisture (Oven Method)	ICC Std No.110/1, Latest Edition (90 min; 130°C) (2 hour; 130°C)
Flour, semolina, bread, all kind of grains and cereal products and food products (except those that are sugar coated)	Moisture (Oven Method)	AACCI 44-15.02, Latest Edition (1 hour; 130°C) (72 hour; 103°C)

Facility	/ Number:	T0116

are sugar coated)		(== 1
are sugar coated)		(72 hour; 103°C)
Maize Grits	Moisture (Oven Method)	Analytical EBC Method 6.2.2, latest edition (4 hours, 130 <sup>0</sup> C)
Animal feed, Plant tissue and Sunflower (Milled)	Moisture (Oven Method)	AgriLASA 2.1, Latest Edition (5 hours, $105^{0}$ C)
All flours, cereal grains, oilseeds and animal feeds	Nitrogen and protein (Combustion method - Dumas)	AACCI 46-30.01, Latest Edition
Cereal based food stuff	Dietary fibres (Total)	In-house method 012
Food stuff and feeds	Carbohydrates (by difference) (calculation) Energy value (calculation) Total digestible nutritional value (calculation)	SOP MC 23
Food Stuff and feeds	Determination of Ash	In-house method 011
Wheat Kernels	Moisture (Oven Method)	Government Gazette Wheat Regulation, Latest Edition (72 hour, 103°C)
Flours of grains e.g. barley, oats, triticale, maize, rye, sorghum and wheat; oilseeds like soybeans and sunflower, feeds and mixed feeds and foodstuffs	Crude fat (Ether extraction by Soxhlet)	in-house method 024
Meal and flour of wheat, rye, barley, other grains, starch containing and malted products	Falling number	ICC Std 107/1, Latest Edition
NUTRIENTS AND CONTAMINANTS		
Vitamin fortified food and feed products and fortification mixes grain based	Vitamin A as all trans Retinol (Saponification) (HPLC)	In-house method 001
	Thiamine Mononitrate (HPLC) Riboflavin (HPLC) Nicotinamide (HPLC) Pyridoxine Hydrochloride (HPLC)	In-house method 002
	Folic Acid (HPLC)	In-house method 003
Grain based food and feed products (fortified and unfortified) and fortification mixes	Total Sodium (Na) Total Iron (Fe) Total Zinc (Zn)	In-house method 010
Yeast and Bread	Vitamin D <sub>2</sub> (HPLC)	In-House method 029

Facility Number: T0116

Food and feed

Multi-Mycotoxin:

In-house method 026

-Aflatoxin  $G_1$ ,  $B_1$ ,  $G_2$ ,  $B_2$  and total

-Deoxynivalenol (DON), 15-ADON

-Fumonisin B<sub>1</sub>, B<sub>2</sub>, B<sub>3</sub> -Ochratoxin A -T2, HT-2

- Zearalenone

GRADING

Maize Defective kernels (White maize/

yellow maize)

Government Gazette Maize

Regulation, Latest Edition

Cereal as grains (Wheat, barley,

rye and oats)

Hectolitre mass (Kern222)

ISO 7971-3, Latest edition

Wheat Screenings

Government Gazette Wheat **Grading Regulation, Latest** 

Edition

RHEOLOGICAL

Wheat flour

Alveograph (Rheological properties)

ICC Std.121, Latest Edition

Flours

Farinograph (Rheological properties)

AACCI 54.02, Latest Edition (Rheological behaviour of flour Farinograph: Constant Flour

Weight procedure)

Hard, soft and durum wheat (flour Mixograph (Rheological properties) and whole wheat flour)

Industry accepted method 020 (Based on AACCI 54-40.02, Latest Edition Mixograph

Method)

Original Date of Accreditation: 01 November 1999

ISSUED BY THE SOUTH AFRICAN NATIONAL ACCREDITATION SYSTEM

Accreditation Manager