



Certificate of Accreditation

This is to certify that

**Chemical and Microbiology Testing Laboratory,
SAAG CHEMICAL NIGERIA LIMITED**

4, SANNI STREET ILASAMAJA ISOLO, LAGOS, NIGERIA

Has been assessed by the Nigeria National Accreditation System and
meets the requirements of the International Standard

ISO/IEC 17025:2017

with demonstrated technical competence in the field of

Testing

for the specific services listed on the approved Scope of Accreditation.

On behalf of the Nigeria National Accreditation System:



Testing
No. T0025

Effective Date: October 10th, 2026
Certificate Expires: October 9th, 2030
Reaccreditation Date: April 9th, 2030

Scope of Accreditation
Chemical and Microbiology Testing Laboratory
SAAG CHEMICAL NIGERIA LIMITED
4, SANNI STREET ILASAMAJA ISOLO, LAGOS, NIGERIA

Reference No.: TL0013A

First Accreditation Date: 19 01, 2024

Issue No. 2: 10 10, 2026

Valid to : 9 10, 2030

Material or Products Tested	Types of Tests / Properties Measured / Range of Measurements	Standard Specifications, Techniques / Equipment Used
FOOD AND FOOD PRODUCTS	Moisture	AOAC 990.19 / Oven drying
	Ash	AOAC 945.46 / Gravimetry
	Protein	AOAC 991.20 / Kjeldahl
	Carbohydrate	AOAC 986.25 / By difference (calculation)
	Acid value	AOAC 969.17 / Titrimetry
	Free fatty acid	AOAC 969.17 / Titrimetry
	Iodine content (in salt)	AOAC 925.56 / Titrimetry
	Lactose (in milk)	AOAC 935.65 / Titrimetry
	Vitamin B2	NIS 121:2015 / HPLC
	Vitamin C	NIS 121:2015 / HPLC
	Caffeine	AOAC 979.08 / HPLC
	Zinc	AOAC 999.11 / Flame AAS
	Iron	AOAC 999.11 / Flame AAS
	Cadmium	AOAC 999.11 / Flame AAS
	Copper	AOAC 999.11 / Flame AAS
	Fat	AOAC 989.05 / Gravimetry
	Salt (NaCl)	AOAC 971.27 / Titrimetry
	Titratable acidity	AOAC 942.15 / Titrimetry
	Specific gravity	AOAC 945.06 / Gravimetry
	Alcohol content	AOAC 945.06 / Gravimetry
	Gluten content	Pearson's Chemical Analysis of Foods, 7th Ed. / Gravimetry (wet gluten)

Material or Products Tested	Types of Tests / Properties Measured / Range of Measurements	Standard Specifications, Techniques / Equipment Used
	Crude fibre	BIS SP 18 (Part IX):1984 (formerly I.S.I. Handbook of Food Analysis), p. 44 / Gravimetry
	Sugar (Brix @ 20 °C)	AOAC 932.12 / Refractometry
	Aflatoxin	AOAC 991.31 / HPLC
WATER, WASTEWATER AND SOIL SAMPLES	Total hardness	APHA 2340 C / EDTA titrimetry
	pH	APHA 4500-H ⁺ B / Potentiometry
	Conductivity	APHA 2510 B / Conductimetry
	Total dissolved solids	APHA 2540 C / Gravimetry (dried at 180 °C)
	Chloride	APHA 4500-Cl ⁻ B / Argentometric titration
	Phosphate	APHA 4500-P E / Spectrophotometry (ascorbic acid)
	Sulphate	APHA 4500-SO ₄ ²⁻ E / Spectrophotometry (turbidimetric)
	Iron	APHA 3030 E (digestion) and 3111 B / Flame AAS
	Cadmium	APHA 3030 E (digestion) and 3111 B / Flame AAS
	Manganese	APHA 3030 E (digestion) and 3111 B / Flame AAS
	Copper	APHA 3030 E (digestion) and 3111 B / Flame AAS
	Residual chlorine	APHA 4500-Cl B / Iodometric titration
	Dissolved oxygen	APHA 4500-O H / Optical probe
	Total acidity	APHA 2310 B / Titration
	Chemical oxygen demand	APHA 5220 D / Closed reflux, colorimetric
	Nitrite	APHA 4500-NO ₂ ⁻ B / Spectrophotometry
	Nitrate	APHA 4500-NO ₃ ⁻ E / Cadmium reduction, spectrophotometry
	Total alkalinity	APHA 2320 B / Titration
	Turbidity	APHA 2130 B / Nephelometry

Material or Products Tested	Types of Tests / Properties Measured / Range of Measurements	Standard Specifications, Techniques / Equipment Used
MICROBIOLOGY: FOOD, WATER AND WASTEWATER	Aerobic plate count	AOAC 966.23 C (food) and APHA 9215 B (water) / Pour plate technique
	Streptococcus	APHA 9230 C / Membrane filtration technique
	Salmonella spp.	ISO 6579-1:2017 / Detection (enrichment and selective plating)
	Coliform	ISO 4832:2006 / Colony count, pour plate technique
	Listeria monocytogenes	AOAC 993.12 / Detection (selective enrichment and plating)
	Staphylococcus aureus	FDA BAM Chapter 12 / Direct plate count (spread plate, Baird-Parker agar)
	E. coli	FDA BAM Chapter 4 / Most Probable Number (MPN) technique
	Yeast and mould	ISO 6611:2004 / Pour plate technique
	Shigella spp.	APHA 9260 E / Detection (selective enrichment and plating)
	Legionella spp.	APHA 9260 J / Culture on BCYE agar (membrane filtration / spread plate)