



Type: Initial Accreditation



Certificate of Accreditation

This is to certify that

**Chemical Testing Laboratory,
REMABEN SCIENTIFIC SERVICES LIMITED**

No.1, ABEOKUTA STREET, ANIFOWOSHE, IKEJA, 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. T0013

Issue date: **January 22, 2024**
Valid through: **January 21, 2026**

Scope of Accreditation

Chemical Testing Laboratory REMABEN SCIENTIFIC SERVICES LIMITED

NO.1, ABEOKUTA STREET, ANIFOWOSHE, IKEJA, LAGOS, NIGERIA

Schedule NO.: T0009B

Issue No. 2: 22 01, 2024

Valid to : 21 01, 2026

Materials/ Products Tested	Types of Tests/ Properties Measured / Range of Measurements	Standard Specifications / Techniques Used
Food and Beverages, Flour & Flour based products, Cereals/Grains, Milk & Milk products, Animal Feeds, Vegetables and Fruits, Tomato products, Food grade Salt, Fats/Oils, Granulated Sugar, Spices/Seasonings.	Moisture Content	AOAC 927.05 AOAC 926.07 AOAC 925.10 AOAC 933.01 Hot Air Oven Dry method
	Total Ash	AOAC 930.30 AOAC 925.11 AOAC 942.05 Muffle Furnace, Dry ashing
	Total Fat	AOAC 922.06 AOAC 932.06 Acid hydrolysis solvent extraction
	Protein	AOAC 930.29 AOAC 930.25 Micro Kjeldahl, Titration
	Carbohydrate	Calculation by difference David Pearsons, 9th edition, 1991, page 4
	pH	AOAC 940.23 pH meter, Potentiometry
	Total Sugar	AOAC 925.35 Lane and Eynon Copper-Reduction method
	Sugar as %Brix	AOAC 932.14C Brix Refractometer
	Sucrose	AOAC 925.35 Lane and Eynon Copper-Reduction method
	Lactose	AOAC 923.09C AOAC 925.35 Lane and Eynon Copper-Reduction method
	Crude Fibre	AOAC 920.86 Muffle Furnace
	Salt content (Sodium Chloride)	AOAC 937.09 Argentometric Titration
	Iodine in table Salt	AOAC 925.56 Titrimetry
	Iodine value in Oils	AOAC 993.20 Wij's Titrimetric Method
	Iron	AOAC 944.02 Phenanthroline Method
	Calcium	AOAC 991.25 EDTA Titrimetric Method
	Acid value	AOAC 940.28 Acid-Base Titrimetry
Free Fatty acids	AOAC 940.28 Acid-Base Titrimetry	

Materials/ Products Tested	Types of Tests/ Properties Measured / Range of Measurements	Standard Specifications / Techniques Used	
	Peroxide value	AOAC 965.33	Titrimetry
	Specific Gravity/Relative Density	AOAC 985.33	Pycnometry
	Saponification value	AOAC 920.16	Reflux/Titrimetry
	Total Acidity/Titratable acidity	AOAC 942.15	Acid-base Titrimetry
	Vitamin C (Ascorbic acid)	AOAC 967.21	Titrimetry
	Acid Insoluble Ash	AOAC 971.33	Muffle Furnace
	Benzoic acid	AOAC 963.19	Solvent Extraction/Titration
Food, Water and Wastewater, Swabs, Environmental Air Exposure	MICROBIAL EXAMINATION:		
	Total Coliforms	ISO 4832, AOAC 966.24	Pour Plate Method
	Escherichia Coli (E.Coli)	AOAC 966.24	Pour Plate Method
	Salmonella	APHA 9260B, AOAC 967.27	Pour Plate Method
	Yeast & Mould	AOAC 940.37E	Pour Plate Method
	Total Plate Count	AOAC 966.23C	Pour Plate Method
	Listeria monocytogenes	AOAC 993.12	Pour Plate Method
	Shigella	APHA 9260B, AOAC 967.27	Pour Plate Method
	Faecal Streptococci	AOAC 966.34	Pour Plate Method
	Clostridium perfringens	AOAC 976.30	Pour Plate Method
	Bacillus Cereus	AOAC 980.31	Pour Plate Method
	Pseudomonas aeruginosa	APHA 9213E	Pour Plate Method
	Enterobacteriaceae	ISO 21528:2017	Streak Plate Method
	Staphylococcus aureus	AOAC 975.55	Pour Plate Method
	Vibrio cholera	AOAC 988.20	Pour Plate Method
Lactobacillus	ISO 20128	Pour Plate Method	

Materials/ Products Tested	Types of Tests/ Properties Measured / Range of Measurements	Standard Specifications / Techniques Used	
Water and Wastewater	pH	APHA 4500-H+B	pH meter, Potentiometry
	Chloride	APHA 4500-Cl- B	Argentometric Titration of Chloride Ions
	Conductivity	APHA 2510 B	Conductivity/TDS meter
	Turbidity	APHA 2130 B	Turbidimeter
	Total Hardness	APHA 2340 C	EDTA Titrimetric method
	Total Alkalinity	APHA 2320 B	Acid-base Titrimetry
	Total Solids	2540B	Oven dry Gravimetric method
	Residual Chlorine	APHA 4500-Cl B	Iodometric Titration with Potassium Iodide
	Sulphate	APHA 4500-SO4 E	Turbidimetric method with Barium Chloride
	Phosphate	APHA 4500-P C	Colorimetric with Vanadate-molybdate
	Calcium	APHA 3500-Ca B	EDTA Titrimetric method
	Magnesium	APHA 3500-Mg B	Calculation method
Silica	APHA 4500-SiO2 C	Molybdsilicate Colorimetric method	