



Certificate of Accreditation

This is to certify that

PIONEER LABORATORY LIMITED

KM 51, LAGOS-IBADAN EXPRESSWAY, OGUN STATE, 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:



Date of Issue of First Accreditation: **July 24th, 2026**
Date of Issue of Latest Accreditation: **July 24th, 2026**
Expiry Date: **July 23rd, 2030**
Reaccreditation Date: **January 23rd, 2030**

Scope of Accreditation

Chemical Testing Laboratory (Chemical, Microbiology & Food)

PIONEER LABORATORY LIMITED

KM 51, LAGOS-IBADAN EXPRESSWAY, OGUN STATE, NIGERIA

Reference No.: TL0021B

Issue No. 1: 24 07, 2026

Valid to : 23 07, 2030

MATERIALS/PRODUCTS TESTED	TYPES OF TESTS/PROPERTIES MEASURED/RANGE OF MEASUREMENTS	STANDARD SPECIFICATIONS/EQUIPMENT/TECHNIQUES USED	
Food, Drugs, Cosmetics, Water, Effluent Water, Environmental samples, Soil	MICROBIOLOGICAL TESTING		
	Enumeration of Aerobic Mesophilic Count	APHA 9215B/AOAC 966.23	Pour Plate Method
	Enumeration of Staphylococcus aureus	APHA 9213B6 and AOAC 975.55	Spread Plate Method
	Enumeration of Coliforms	AOAC 940.37C	Streak Plate Method
	Enumeration of Escherichia coli	BAM CH 4 and APHA 9221B	Pour Plate Method
	Enumeration of Salmonella <i>sp</i>	APHA 9260B/AOAC 967.26	Streak Plate Method
	Enumeration of Shigella <i>sp</i>	APHA 9260E	Streak Plate Method
	Enumeration of Yeast and Mould	BAM CH 18/APHA 9610B	Pour Plate Method
	Enumeration of Vibrio <i>spp</i>	APHA 9260H	Pour Plate Method
	Enumeration of Streptococcus faecalis	APHA 9230B	Streak Plate Method
	Enumeration of Listeria monocytogenes	ISO 11290-2:2017(E)/BAM CHAP 10	Pour Plate Method
	PHYSICO-CHEMICAL TESTING		
	pH	AOAC 981.12	pH meter
	Broken nuts	AFI Method	Measurement
	Defective nuts	AFI Method	Measurement
	Edible Salt	AOAC 950.52	Titrimetric
	Energy value	AOAC 986.25E	Calculation
	Propionates	AOAC 969.17	Calculation

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Food, Drugs, Cosmetics, Water, Effluent Water, Environmental samples, Soil	Sulfurdioxide	IS548:2010	Titrimetric
	Electrical Conductivity	APHA 2510B, ASTM D1125	Conductivity meter
	Turbidity	AOAC 970.14	Turbidity meter
	Total suspended solids	APHA 2540B	Calculation
	Total Hardness	APHA 2340B	Titrimetric
	Phenolphthalein Alkalinity	APHA 2320B	Titrimetric
	Total Alkalinity	APHA 2320B	Titrimetric
	Total Dissolved Solid	APHA 2540C	Electrometric
	Total Solids / Loss on Drying	APHA 2540B	Gravimetric
	Total Acidity	APHA 2310 B	Titrimetric
	Residual Chlorine	A0AC 955.16	Titrimetric
	Chloride	APHA 4500B	Titrimetric
	Nitrate	EPA 352.1	Spectrophometer
	Nitrite	APHA 4500B	Spectrophometer
	Sulphate	AOAC 973.57	Spectrophometer
	Phosphate	APHA 4500 C	Colorimetric / Spectrophometer
	Total Iron	AOAC 944.02	Spectrophometer
	Magnesium	APHA 2340B	Calculation / Titrimetric
	Oil / Grease	APHA 5520B	Extraction/ Gravimetric
	Biological Oxygen Demand	APHA 5500 B	Titrimetric
	Chemical Oxygen Demand	APHA 5520 C	Titrimetric /Reflux
	Total Nitrogen	APHA 4500-NH3 F	Kjeldahl method/ Titrimetric
	Moisture	AOAC 925.45	Oven Drying
	Fat Content	AOAC 932. 06;	Rose Gottlieb Method
	Ash	AOAC 923.03	Muffle Furnace
	Protein	AOAC955.04	Kjeldahl method 200.12
	Carbohydrate	AOAC 986.25E	Calculation by Difference

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Food, Drugs, Cosmetics, Water, Effluent Water, Environmental samples, Soil	Dietry Fiber	AOAC 978.10	Gravimetric
	Viscosity	ASTM D445	Viscometer
	Specific Gravity	AOAC 945.06	Gravimetric
	Acid Value	AOAC 969.17	Titrimetric
	Calcium	APHA 2340B	Titrimetric
	Iodine content	AOAC 925.56	Iodometric titration
	Saponification Value	AOAC 920.160	Titrimetric
	Peroxide Value	AOAC 965.33	Titrimetric
	Iodine value	AOAC 993.20	Titrimetric
	Moisture	AOAC 945.15	Oven Drying
	MYCOTOXINS		
	Aflatoxin B1	ISO 16050	HPLC
	Aflatoxin B2	ISO 16050	HPLC
	Aflatoxin G1	ISO 16050	HPLC
	Aflatoxin G2	ISO 16050	HPLC
	HEAVY METALS		
	Iron	AOAC 2019:999.11	AAS
	PESTICIDE RESIDUES		
	Carbaryl, Pyrethrins, Heptachlor, Pronamide, Phosmet, Chlorophenol, Cypermethrin, Dichlorophenol, Benzene Hexachloride, Hexachlorocyclopentadiene, Endrin, Metoxychlor, Simazine, Atraton, Chlorpyrifos, Methyl parathion, Phosphamidon, Fenithrothion, Bromophos, Dieldrin, Lambda cyhalothrin, Azinfos,	EN15662	GC-MS

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Food, Drugs, Cosmetics, Water, Effluent Water, Environmental samples, Soil	Diphenylamine, Diquat, Disulfoton, Dithiocarbamates, Diuron, Endosulfan, Endrine aldehyde, EPTC, Ethephon, Ethion, Ethylene Dibromide (EDB), Ethylene Dichloride, Feremiphos, Diclomezine, Dicofol, Dieldrin, Difenoconazole, Difenzoquat, Diflubenzuron, Diflubenzopyr, Dimethipin, a-BHC, Chlorothalonil, Chlorpyrifos, Chlorpyrifos-methyl, Clodinafop-propargyl, Ametryn, Butachlor, Clomazone, Clothianidin, Copper Nonylphenolsulfonate, Cyanophos, Cycloxydim, Cyfluyhrin, Cyhalothrin, Cypermethrin, DBEDC, DCIP, DDT, Deltamethrin, Demeton-S-Methyl, Diafenthion, Diazinon, Dichloprop, Dichlofos, Diclofop, Propazine.	EN15662	GC-MS