



# Certificate of Accreditation

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This is to certify that

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**LASER ENGINEERING AND RESOURCES  
CONSULTANTS LIMITED**

KM 5 EAST WEST ROAD, BEHIND OMEGA HOUSE RUMUODARA PORT HARCOURT  
Has been assessed by the Nigeria National Accreditation System and  
meets the requirements of the International Standard

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## ISO/IEC 17025:2017

with demonstrated technical competence in the field of

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## Testing

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

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On behalf of the Nigeria National Accreditation System:



Testing  
No. T0029

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Issue date: **MARCH 13, 2025**  
Valid through: **MARCH 12, 2027**

**Scope of Accreditation**  
**Chemical Testing Laboratory**  
**LASER ENGINEERING AND RESOURCES CONSULTANTS LIMITED**  
**KM 5 EAST WEST ROAD, BEHIND OMEGA HOUSE RUMUODARA PORT HARCOURT**  
Schedule NO.: T 00017                      Issue No. 2: 13 03, 2025                      Valid to : 12 03, 2027

Materials/ Products Tested	Types of Tests/ Properties Measured / Range of Measurements	Standard Specifications/Equipment / Techniques Used
<b>ENVIRONMENTAL LABORATORY SCOPE OF ACCREDITATION</b>		
<b>CHEMICAL</b>  Soil & Water	Determination of Metals: (Sodium, Potassium, Magnesium, Calcium, Barium, Iron, Zinc, Chromium, Cadmium, Copper, Manganese, Nickel, Lead, Aluminum, Cobalt, Tin, Silicon & Phosphorus).	APHA 3120/MP-AES
	Determination of Chloride (mg/l)	APHA 4500-Cl B /Argentometric Method
	Determination of Sulphate (mg/l)	APHA 4500-SO4E /Spectrophotometer
	Determination of Phosphate	APHA 4500-PE / Spectrophotometer
	Determination of Bicarbonate (alkalinity)	APHA 2320-ALK B /Hach Digital Titrator
	Determination of Carbonate (alkalinity)	APHA 2320-ALK B /Hach Digital Titrator
	Determination of Total Hardness	APHA 2340-C / EDTA Titrimetric Method
	Determination of pH	APHA 4500-H+B / pH Meter
	Determination of Total Dissolved Solids, TDS (mg/l)	APHA 2510 B / Conductivity Meter
	Determination of Conductivity	APHA 2510 B / Conductivity Meter
<b>CHEMICAL</b> Crude oil & Diesel fuel	Determination of Density of crude oil	ASTM D5002/Density Meter
	Determination of Sulphur content in crude oil	ASTM D4294/Sulphur-in-crude Analyser
	Determination of Total Acid Number	ASTM D974/D664
<b>SAMPLING</b> Soil, Water and oil	Water Sampling	SESDPROC-201-R3-EPA
	Soil Sampling	SESDPROC-300-RO-EPA
	Oil sampling	ASTM D4057/Manual Sampling