

West Africa Laboratory Capabilities – Q1-2023

Property	Method	Lagos	Port Harcourt	Lome
Blending (Volumetrically)	QQIHM			
Blending (Gravimetrically)	QQIHM			
Acid Number (SAN)	D664			
Acid Number (TAN)	D664			
Acid Number (SAN)	D974	C	C	
Acid Number (TAN)	D974	C	C	
Acidity	D3242	C		
Aniline Point, transparent oils	D611	C	C	
Appearance	Visual	C		
Appearance	D4176	C	C	
Appearance	Photographic	C		
API Gravity	D4052	C	C	
API Gravity	D1298	C	C	
API Gravity	D7777			
Aromatics	D6277			
Ash Content	D482	C	C	
Asphaltenes	IP143		C	
Bacteriological test	Oxoid Dip Slide			
Bacteriological test	MicrobMonitor			
Benzene content	D6277			
Carbon Residue, Conradson	D189	C	C	
Carbon Residue, Conradson 10% bots.	D189	C	C	
Carbon Residue, Micro	D4530			
Carbon Residue, Micro 10% bots.	D4530			
CCAI	ISO8217	C	C	
Cetane Index	D976	C	C	
Cetane Index	D4737		C	
Chlorides in Water	Mohrs Method			
Cleanliness of Residual Fuels	D4740	C	C	
Cloud Point	D2500	C	C	
Colour, ASTM	D1500	C	C	
Colour, Saybolt	D156	C	C	
Colour, Tristimulus	D6045			
Colour, Visual	QQIHM	C		
Compatibility of Residual Fuels	D4740	C	C	
Conductivity (Electrical)	D2624			
Copper Corrosion	D130	C	C	
Density at 15°C	D4052	C	C	
Density at 15°C	D1298	C	C	
Density at 15°C	D7777			
Relative Density @ 60/60°F	D4052	C	C	
Relative Density @ 60/60°F	D1298	C	C	
Relative Density @ 60/60°F	D7777			
Diesel Index	IP21	C		
Distillation, atmospheric	D86	C	C	
Distillation, Vacuum	D1160			
Doctor Test	D4952	C	C	
Ethanol in Gasoline	QQLIHM-S001/18			
Filter Blocking Tendency	D2068			
Flash Point, Abel	IP170	C	C	
Flash Point, PPMC	D93	C	C	
Flash Point, small scale	D3828			
Free water	D4176	C	C	
Freezing Point	D2386	C		
Heat of Combustion	D3338			
Heat of Combustion	D4868	C	C	
Hydrogen content	D3343			
Hydrogen Sulphide	IP570			

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Hydrogen Sulphide	IP103			
Hydrogen Sulphide	Draeger			
Lead Content, ppm	D3341			
Metals (ISO8217 sweep)	IP501			
Metals (ICP using Organic Dilution)	QQIHM			
Metals (ICP)	D7111			
Metals, Manganese	EN16136			
Nitrogen, total	D3228/Kjeldahl		C	
Nitrogen, trace	D4629			
Nitrogen, trace	D5762			
Nitrogen, trace	D6069			
Nitrogen, trace	D7184			
Octane Number, Research (Estimation)	IROX			
Odour	QQIHM	C		
Oxidation Stability, Distillates Fuels	D2274			
Oxygenates	D5845			
Particulate Contamination	D2276			
Particulate Contamination	D5452			
Particulate Contamination	D6217			
Peptization Value	SMS1600		C	
Pour Point	D97	C		
Pour Point	D5853			
Sediment by Extraction	D473	C	C	
Sediment by Hot filtration	IP375			
Sediment - potential	IP390-A			
Sediment - accelerated	IP390-B			
Sulphur Content, X-ray	D4294	C	C	
Sulphur Content, Trace	D5453			
Sulphur Content, Trace	D7183			
Sulphur Content, Trace	EN20846			
Toluene equivalent	AMS79-004		C	
Vapour Pressure	D5191	C		
Vapour Lock Index/Ratio	D4814			
Viscosity, Kinematic @ 37.8°C	D445	C	C	
Viscosity, Kinematic @ 40.0°C	D445	C	C	
Viscosity, Kinematic @ 50.0°C	D445	C	C	
Viscosity, Kinematic @ 80.0°C	D445	C	C	
Viscosity, Kinematic @ 100.0°C	D445	C	C	
Viscosity conversions	D2161			
Viscosity Index	D2270			
Water by distillation	D95	C	C	
Water by distillation	D4006			
Xylene Equivalent	BP230/mod		C	

Key	
Test currently available	
Test currently available and accredited to ISO17025	C

Accreditation	Lagos	Port Harcourt	Lome
Accredited to ISO17025 standard.	Yes	Yes	In progress
Link to Accreditation Certificate & Scope	Click me	Click me	



The following tests are available through local subcontracted laboratories:

Property	Method	Lagos	Port Harcourt	Lome
Vapour Pressure, Reid @ 100°F	D323			
Water Content by Karl Fischer	D6304			
Hydrocarbon Types	D1319			
Existent Gum (Washed and unwashed)	D381			
Flash Point, Abel	IP170			
Microseparometer (MSEP), rating	D3948			
Smoke Point	D1322			
Benzene	D4053			
Lead Content	D3237			
Manganese	D3831			
Oxidation Stability	D525			
Oxygenates	D5986			
RON Estimation	FTIR			
RON	D2699			
Metals (Na, Pb, Ca,V)	D3605			
Metals(Si, Al, V, Ni, Fe, Ca, Zn, Na)	IP470			
Jet A1 Specification Slate	DefStan 91-091			
LPG Testing	On Request			

The scope of our laboratories and the laboratories of our subcontractors are continually being updated. If you have any specific request please ask.

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