



Certificate of Accreditation

This is to certify that

Ohenmerge Company Limited

19 Sen. George Sekibo Road, Off Peter Odili Road, Transamadi,
Port Harcourt, Nigeria

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

ISO/IEC 17025:2005

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 Service:



Issue date: **June 11, 2018**
Validity through: **June 10, 2020**

Scope of Accreditation

Chemical Testing Laboratory Ohenmerge Company Limited

19 Sen. George Sekibo Road, Off Peter Odili Road Transamadi – Port Harcourt, Nigeria

Schedule NO.:T0001

Issue No. 1: 11 06, 2018

Valid to : 10 06, 2020

Materials/ Products Tested	Types of Tests/ Properties Measured / Range of Measurements	Standard Specifications / Techniques Used	
Water	<u>ORGANICS</u>		
	1) Oil and Grease	APHA 5520F	Buck IR Spec. Model 404 SN: 1280
	2) Total Hydrocarbon Content (THC)	APHA 5520F	Buck IR Spec. Model 404 SN: 1280
	3) Phenol	APHA 5530D	UV/VIS Spectrophotometer AVI-721 SN:1415276
	<u>HEAVY METALS</u>		
	Cation Exchange Capacity	APHA 3111B	AAS Model AA500 SN: 22-0933-21-4004
	Calcium	APHA 3111B	
	Potassium	APHA 3111B	
	Sodium	APHA 3111B	
	Exchangeable Sodium Percentage	APHA 3111B	
Sodium Absorption ratio	APHA 3111B		
Magnesium	APHA 3111B		
Berylium,	APHA 3111D		
Vanadium,	APHA 3111D		
Cadmium	APHA 3111C		
Selenium	APHA 3114B		
Barium	APHA 3111D		
Chromium	APHA 3111D		
Aluminium	APHA 3111D		
Water	Thallium	APHA 3111B	
	Thorium	APHA 3111D	
	Rutherfordium	APHA 3111B	

Materials/ Products Tested	Types of Tests/ Properties Measured / Range of Measurements	Standard Specifications / Techniques Used	
	Rhenium	APHA 3111D	
	Rhodium	APHA 3111B	
	Uranium	APHA 3111D	
	Lithium	APHA 3111D	
	Titanium	APHA 3111D	
	Platinum	APHA 3111B	
	Palladium	APHA 3111B	
	Antimony	APHA 3111B	
	Arsenic	APHA 3111B	
	Zinc	APHA 3111C	
	Iron	APHA 3111C	
	Copper	APHA 3111C	
	Lead	APHA 3111C	
	Nickel	APHA 3111C	
	Manganese	APHA 3111C	
	Cobalt	APHA 3111C	
	Bismuth	APHA 3111B	
	Boron	APHA 3111D	
	Mercury	APHA 3112B	
	Silver	APHA 3111C	
	Gold	APHA 3111B	
Molybdenum	APHA 3111B		
Tin	APHA 3111B		
Silicon	APHA 3111D		
Water	<u>INORGANICS</u>		
	Fluoride	APHA 4500F	UV/VIS Spectrophotometer AVI-721 SN:1415276
	Dissolved Oxygen	APHA 4500OC	UV/VIS Spectrophotometer AVI-721 SN:1415276
	Electrical conductivity	APHA 2510B	Extech pH.Conductivity.TDS Meter Model EC 500 Ser. No 195088

Materials/ Products Tested	Types of Tests/ Properties Measured / Range of Measurements	Standard Specifications / Techniques Used	
Water	Exchangeable acidity	APHA 2310B	Titration-Burette
	Colour	APHA 2120C	UV/VIS Spectrophotometer AVI-721 SN:1415276
	Ammonium	APHA 4500A	UV/VIS Spectrophotometer AVI-721 SN:1415276
	Chemical Oxygen Demand	APHA 5220C	UV/VIS Spectrophotometer AVI-721 SN:1415276
	Chloride	APHA 4500B	Titration-Burette-Pipette
	Carbonate	APHA 2320B	Titration-Burette-Pipette
	Cyanide	APHA 4500CN	UV/VIS Spectrophotometer AVI-721 SN:1415276
	Acidity	APHA 2310B	Titration-Burette-Pipette
	Alkalinity	APHA 2320B	Titration-Burette-Pipette
	Residual Chlorine	APHA 45001	UV/VIS Spectrophotometer AVI-721 SN:1415276
	Reactive Silica	APHA 4500 C	UV/VIS Spectrophotometer AVI-721 SN:1415276
	pH	APHA 4500-H ⁺ B	Bench top pH Meter Model AVI 65 SN: 1532
	Total Dissolved Solids	APHA 2510B	Extech pH.Conductivity.TDS Meter Model EC 500 SN:195088
	Dissolved Oxygen	APHA 4500OC	Extech DO Meter Model DO 600 SN: 198520
	Temperature	APHA 2550B	Extech pH.Conductivity.TDS Meter Model EC 500 SN:195088
	Hardness	APHA 2340C	Titration-Burette-Pipette
	Hydrogen Carbonate	APHA 2320B	Titration-Burette-Pipette
	Hydrogen Sulphide	APHA 4500S2	UV/VIS Spectrophotometer AVI-721 SN:1415276
	Morpholine	ASTM 3086D	UV/VIS Spectrophotometer AVI-721 SN:1415276
	Ammonia	ASTM D1426-08	UV/VIS Spectrophotometer AVI-721 SN:1415276
Nitrate	APHA 4500E	UV/VIS Spectrophotometer AVI-721 SN:1415276	
Nitrite	APHA 4500 NO3B	UV/VIS Spectrophotometer AVI-721 SN:1415276	

Materials/ Products Tested	Types of Tests/ Properties Measured / Range of Measurements	Standard Specifications / Techniques Used	
Water	Nitrogen	APHA 4500 NB	UV/VIS Spectrophotometer AVI-721 SN:1415276
	Phosphate	APHA 4500 PE	UV/VIS Spectrophotometer AVI-721 SN:1415276
	Phosphorus	APHA 4500 PI	UV/VIS Spectrophotometer AVI-721 SN:1415276
	Salinity	APHA 2520B	Extech pH.Conductivity.TDS Meter Model EC 500 SN:195088
	Salinity as Chloride	APHA 2520B	Extech pH.Conductivity.TDS Meter Model EC 500 SN:195088
	Sulphide	APHA 4500-S2	UV/VIS Spectrophotometer AVI-721 SN:1415276
	Sulphate	APHA 4500-E	UV/VIS Spectrophotometer AVI-721 SN:1415276
	Sulphite	APHA 4500B	Titration-Burette-Pipette
	Sulfactants	ASTM D6173-97	Titration-Burette-Pipette
	Total Organic Carbon	ASTM D5904-02	Titration-Burette-Pipette
	Total Dissolved Solids	ASTM D5907-10	Extech pH.Conductivity.TDS Meter Model EC 500 SN:195088
	Total phosphorus	APHA 4500-P	UV/VIS Spectrophotometer AVI-721 SN:1415276
	Total Suspended Solids	ASTM D5907-10	UV/VIS Spectrophotometer AVI-721 SN:1415276
Water on-site	pH	APHA 4500-H ⁺ B	Extech pH & Conductivity Meter Model EC 500 SN:195088
	Electrical conductivity	APHA 2510B	Extech pH & Conductivity Meter Model EC 500 SN:195088
	Total Dissolved Solids	APHA 2510B	Extech pH & Conductivity Meter Model EC 500 SN:195088
	Salinity	APHA 2520B	Extech pH & Conductivity Meter Model EC 500 SN:195088
	Dissolved Oxygen	APHA 4500OC	Extech DO Meter Model DO 600 SN: 198520