



# Certificate of Accreditation

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This is to certify that

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**EMACHY CHEMICALS AND LABORATORY SERVICES**

No.183, Egbeda-Idimu Road, Abule-Odu Bus-stop, Egbeda, Lagos State.

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. T0023

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Issue date: **March 5, 2021**  
Validity through: **March 4, 2023**

**Scope of Accreditation**

**Chemical and Microbiological Testing Laboratory**

**Emachy Chemicals and Laboratory Services**

No.183, Egbeda-Idimu Road, Abule-Odu Bus-stop, Egbeda, Lagos State.

Schedule NO.: T0023

Issue No. 1: 05 03, 2021

Valid to: 04 03, 2023

Materials/ Products Tested	Types of Tests/ Properties Measured / Range of Measurements	Standard Specifications / Techniques Used	
	<b>Microbiological Testing</b>		
Food, Drugs, Cosmetics, Water/Effluent Water, Herbal Products, Environmental Samples, Soil	Enumeration of Yeast and Moulds	AOAC 940.37E	Pour Plate Method
	Enumeration of Total Plate Count	AOAC 966.23C	Pour Plate Method
	Enumeration of Aerobic Mesophilic Count	AOAC 966.23C	Pour Plate Method
	Enumeration of <i>Escherichia coli</i>	AOAC 966.24	Streak Plate Method
	Enumeration of Coliforms	AOAC 940.37C	Streak Plate Method
	Enumeration of Faecal <i>Streptococci</i>	APHA 9230B	Streak Plate Method
	Enumeration of <i>Staphylococcus spp.</i>	APHA 9213	Spread Plate Method
	Enumeration of <i>Salmonella spp.</i>	APHA 9260B	Streak Plate Method
	Enumeration of <i>Shigella spp.</i>	APHA 9260	Streak Plate Method
	Enumeration of <i>Listeria spp.</i>	AOAC 993.12	Pour Plate Method
	Enumeration of <i>Klebsiella spp.</i>	AOAC 966.24, BAM Ch. 4, 2001	Spread Plate Method
	Enumeration of <i>Clostridium Perfringens</i>	AOAC 976.30	Pour Plate Method
	Enumeration of <i>Pseudomonas aeruginosa</i>	APHA 9213F	Pour Plate Method
	Enumeration of <i>Streptococcus spp.</i>	APHA 9230B	Streak Plate Method
Enumeration of <i>Vibrio spp.</i>	BAM Ch. 9, 2001	Pour Plate Method	
	<b>Physico-Chemical Testing</b>		
Food, Drugs, Cosmetics, Herbal	pH	AOAC 943.02	Uniscope pH meter
	Moisture	AOAC 925.45	Oven Drying

Materials/ Products Tested	Types of Tests/ Properties Measured / Range of Measurements	Standard Specifications / Techniques Used	
<b>Water/Effluent Water, Environmental Samples, Soil</b>	Ash	AOAC 923.03	Muffle Furnace
	Fat	AOAC 905.02	Rose Gotlieb Extraction
	Protein	AOAC 984.13, 955.04, 200.11	Kjeldahl method
	Sugar	AOAC 968.28	Lane-Eynon method
	Lactose	AOAC 968.28	Lane-Eynon method
	Carbohydrate	AOAC 986.25	Calculation by Difference
	Acid insoluble ash	AOAC 941.12	Muffle Furnace
	Crude fibre	AOAC 962.09	Muffle Furnace
	Energy Value	AOAC 930.25, 920.87	Calculation
	Conductivity	APHA 2510B	Conductivity Meter
	Iron	APHA 3500-Fe	Spectrophotometric
	Residual Chlorine	APHA 4500-Cl	Titrimetric
	Phenolphthalein Alkalinity	APHA 2320B	Titrimetric
	Nitrate	APHA 4500-NO <sub>3</sub>	Spectrophotometric
	Nitrite	APHA 4500A	Spectrophotometric
	Total Hardness	APHA 2340C	Titrimetric