



REMABEN SCIENTIFIC SERVICES LTD.

RC:614912

ISO/IEC 17025:2017 Accredited Lab

Public Analysts & Environmental Consultants

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TESTING
No. T0013



IPAN Registered Lab No. 0008

CERTIFICATE OF ANALYSIS

(Institute of Public Analysts of Nigeria, IPAN Act CAP I.16 LFN 2004, formerly Decree 100 of 1992)

Lab. Sample Ref No: KFC/02/06/2025/1748/347/99/59305

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Name of Client: DEVYANI INTERNATIONAL (NIGERIA) LTD

Certificate No: 0059305

Address: 110/114, OSHODI-APAPA EXPRESSWAY, ISOLO, LAGOS STATE

Laboratory Environmental Conditions: Humidity, %: 59 Temperature, oC: 22 COA Version:1, Date: 01/07/2025

Sample Name/Label: VIVERDA FARM WATER, 30/05/2025

Sample Type : UNPACKAGED DRINKING WATER QUALITY(as per NIS 554:2015 NIGERIAN STANDARD FOR DRINKING WATER QUALITY, NSDWQ)

Date Received in Lab: 02/06/2025

Batch No: Not stated

Date Analysed in Lab: 20 June to 1 July 2025

Net Content:

Country of Origin: Nigeria

I, BENJAMIN A. MIACHI, the undersigned Registered PUBLIC ANALYST No: 00329, REMABEN SCIENTIFIC SERVICES LTD, ISO/IEC 17025:2017, a NiNAS-accredited testing laboratory-No: T0013 and IPAN Registered Lab. No: 0008, do hereby certify that on 02/06/2025 the above mentioned sample was submitted to our Laboratory by you (the Customer) for testing. The sample was tested while in the same condition as received in the Lab and our test results are:

PHYSICAL AND CHEMICAL ANALYSIS:

Tests performed/Unit	Result	Uc	Limit	Test Method
GENERAL APPEARANCE (Apparent colour)	Clear		Clear	Visual
ODOUR	Inobjectionable		Unobjectionable, Sensory evaluation	
COLOUR (after filtration), TCU (True Colour Unit)	0.00		15max.	APHA 2120 Pt-Co
pH, @25 oC	7.04		6.5 - 8.5	APHA 4500-H+ B
CONDUCTIVITY, microSiemens/cm	21.2		1,000max.	APHA 2510 B
TURBIDITY, NTU (Nephelometric Turbidity Unit)	0.00		5max.	APHA 2130 B
TOTAL HARDNESS(as CaCO ₃), mg/L	1.9		150max.	APHA 2340 C
TASTE	Inobjectionable		Unobjectionable, Sensory	
TEMPERATURE, oC	25.6		Ambient	APHA 2550 B
TOTAL ALKALINITY(as CaCO ₃),mg/L	14.6		200max.	APHA 2320 B
TOTAL DISSOLVED SOLIDS (TDS), mg/L	10.6		500max.	ASTM D5907-03
TOTAL SOLIDS (TS), mg/L	14.0		Not Stated	APHA 2540 B
FREE RESIDUAL CHLORINE, mg/L	0.00		0.25max.	APHA 4500-Cl B
FREE CARBONDIOXIDE(CO ₂),mg/L	3.4		50max.	APHA 4500-CO ₂ C
AMMONIA (as N, Nitrogen), mg/L	0.05		0.05max.	APHA 4500-NH ₃
CHLORIDE (as Cl), mg/L	3.6		250max.	APHA 4500-Cl- B
NITRITE (as NO ₂), mg/L	0.20		0.2max.	APHA 4500-NO ₂
NITRATE (as NO ₃), mg/L	0.30		50max.	APHA 4500-NO ₃
SILICA (Reactive Silica, as SiO ₂), mg/L	0.04		40max.	APHA 4500-SiO ₂
ARSENIC (as As), mg/L	0.001		0.01max.	ASTM D2972A
CALCIUM (as Ca), mg/L	0.80		75max.	APHA 3500-Ca B
TOTAL IRON (as Fe ²⁺ &Fe ³⁺), mg/L	0.00		0.3max.	APHA 3500-Fe B
LEAD (as Pb), mg/L	0.001		0.01max.	ASTM D3559
SULPHATE (as SO ₄),mg/L	0.00		100max.	APHA 4500-SO ₄ E
MAGNESIUM (as Mg), mg/L	0.29		20max.	APHA 3500-Mg E
SALINITY, mg/L	36.4		480max.	APHA 2520 C
SODIUM (as Na), mg/L	2.3		200max.	APHA 3500-Na B
HYDROGEN SULPHIDE (H ₂ S),mg/L	0.001		0.05max.	APHA 4500-S F
DETERGENTS(as Lauryl SO ₄),mg/L	0.001		0.01max.	APHA 5540 C
TOTAL SUSPENDED SOLIDS (TSS), mg/L	3.4		Not Stated	APHA 2540 B

MICROBIAL EXAMINATION:

Microbial Group	Result	Unit	Limit	Test Method
E.Coli	0	CFU/ml	0	APHA 9221E
Total Coliform Count	0	CFU/ml	0	APHA 9222B
Faecal Streptococci	0	CFU/ml	0	APHA 9213B
Staphylococcus aureus	0	CFU/ml	0	APHA 9213B
Salmonella	Absent	in 25ml	Absent	APHA 9260B
Shigella	Absent	in 25ml	Absent	APHA 9260E
Vibrio	0	CFU/ml	0	APHA 9260H
Clostridium perfringens	0	CFU/ml	0	APHA 92221D
Klebsiella aerogenes	0	CFU/ml	0	APHA 9222F
Pseudomonas aeruginosa	0	CFU/ml	0	APHA 9213E
Yeast/mould	0	CFU/ml	0	APHA 9610B
Total Plate Count	0	CFU/ml	100max.	APHA 9215B

Abbreviations: Accredited = NiNAS Accredited Scope; N.S = Not Stated
APHA = American Public Health Association (24th Edition, 2023);
AOAC = Association of Official Analytical Chemists (AOAC Int'l)
ASTM = American Society for Testing and Materials
Uc = Uncertainty of Measurements (K=2)

Note: NiNAS is a full Member of AFRAC and an Associate Member of ILAC.
AFRAC is African Accreditation Cooperation
ILAC is International Laboratory Accreditation Cooperation

COMMENTS/DISCLAIMER/REMARKS

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- The results of physico-chemical analysis and microbial examination as shown above are in conformity with Nigerian Standard for Drinking Water Quality (NIS 554:2015) maximum permitted levels for unpackaged drinking water quality from public or privately owned drinking water systems or water supplied by State Water Agencies, water supplied by water vendors/tankers and used solely for the family residence or water used in food processing by food manufacturers.
- Sample is in conformity with Nigerian Standard for Drinking Water Quality (NIS 554:2015), hence declared fit for human consumption.

Lab Analyst: Akejumo B.A
Sign/date: As witness my hand and issued on this 01 July, 2025

Authorized/Approved by: Laboratory Director.
Name: MIACHI, Benjamin Akwu (FIPAN)

