



CERTIFICATE OF ACCREDITATION

This is to certify that

***WATER QUALITY LABORATORY OF
CENTRAL WATER AUTHORITY***

Testing Laboratory No. T017

is accredited by the ***Mauritius Accreditation Service (MAURITAS)***
for the following Testing fields:

CHEMICAL

and

BIOLOGICAL

as per scope of schedule of accreditation

THIS LABORATORY MEETS THE REQUIREMENTS OF ISO/IEC 17025:2017

This accreditation demonstrates technical competency for a defined scope and the operation of a laboratory quality management system and shall remain in force subject to continuing compliance with MAURITAS accreditation criteria, ISO/IEC 17025:2017 and any further requirements specified by MAURITAS

Issue Date: 03 May 2020

Director of MAURITAS

This certificate is valid only when accompanied by its schedule of Accreditation.



Schedule of Accreditation
Laboratory No.: T017
(accredited to ISO/IEC 17025:2017)

Permanent Address of laboratory:

Central Water Authority
Head Office, St Paul
Phoenix

Postal Address:

Central Water Authority
Head Office, St Paul
Phoenix

Tel No.: (230) 601 5000
Fax No.: (230) 686 6264
E-mail: infodesk@cwa.mu

Technical Signatories:

For Chemical:
Mr. Nizam Jeeawody . Mr.
Dharmyashdeo Meetooah

Excluding Sodium, Total Organic Carbon

Mrs. Jhotee Ramguttee, Mrs. Artee
Paupiah, Mrs. Tejaswatee Devi Balloo,
Ms. Vandana Seeburrin, Ms. Bibi Aisha
Yasmeen Ibrahim, Mrs. Asha Mistry,
Mrs. Sweta Gunga Jhowry, Ms. Késhini
Cuniah

Excluding Sodium

Mr. Mohun Ballah

For Biological:

Mrs. Anjeelee Ragoobur, Ms. Cheetra Devi
Emrith

Issue No.: 06

Expiry Date: 02 May 2024

	<i>Items, Materials or Products Tested</i>	<i>Types of tests/Properties Measured Range of Measurement</i>	<i>Specification/Standard methods or techniques used</i>
I.	Chemical		
1.	Water and Effluent	pH Conductivity Turbidity Sulphate Chloride Nitrate (as N) Nitrite (as N)	APHA 4500-H ⁺ B, 23 rd Ed – Electrometric Method APHA 2510 B, 23 rd Ed – Electrometric Method APHA 2130 B, 23 rd Ed – Nephelometric Method Hach Method 8051:2019; USEPA Approved APHA 4500-Cl ⁻ B, 23 rd Ed – Argentometric Method APHA 4500-NO ₃ ⁻ B, 23 rd Ed – UV Spectrophotometric Screening Method Hach Method 8507:2019; USEPA Approved – Diazotization Method

		Chemical Oxygen Demand	Hach Method 8000:2021; USEPA Approved – Reactor Digestion
		Ammonia (as N)	Hach Method 8155:2015; USEPA Approved – Salicylate Method
		Total Reactive Phosphorus (as P)	Hach Method 8048:2018; USEPA Approved:2005; Equivalent to APHA 4500, 23 rd Ed – P E
		Potassium	APHA 3500-K B, 23 rd Ed
2.	Water	Apparent Colour	Hach Method 8025:2014; Adapted from APHA, 23 rd Ed
		Total Dissolved Solids	APHA 2510 B, 23 rd Ed – Electrometric Method
		Total Hardness (as CaCO ₃)	APHA 2340 C, 23 rd Ed – EDTA Titrimetric Method
		Calcium Hardness (as CaCO ₃)	APHA 3500-Ca B, 23 rd Ed – EDTA Titrimetric Method
		Magnesium Hardness	APHA 3500-Mg B, 23 rd Ed – By Calculation
		Calcium	APHA 3500-Ca B, 23 rd Ed – By Calculation
		Magnesium	APHA 3500-Mg B, 23 rd Ed – By Calculation
		Total Organic Carbon	APHA 5310 B, 23 rd Ed – High Temperature Combustion Method (Total Organic Carbon Analyzer)
		Sodium	ASTM D6919-03:2003 – Ion Chromatography
II.	Biological		
1.	Potable Water	Detection and Enumeration of Coliform Organisms and <i>E.coli</i>	APHA Method 9221 B:2017 & APHA Method 9221 F:2017
		Enumeration of <i>E.coli</i> and Coliform bacteria – Most Probable Number	ISO 9308-2:2012

Issued by the Mauritius Accreditation Service (MAURITAS)

Date: 26 July 2023

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Director of MAURITAS