



## 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 2024

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 B8, B9:*

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 B9:*

Mr. Mohun Ballah

For Biological:

Mrs. Anjeelee Ragoobur, Ms. Cheetra Devi  
Emrith

**Issue No.:** 02

**Expiry Date:** 02 May 2028

	<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>
<b>I.</b>	<b>Chemical</b>		
A.	Water and Effluent	1. pH 2. Conductivity 3. Turbidity 4. Sulphate 5. Chloride 6. Nitrate (as N) 7. Nitrite (as N)	APHA 4500-H <sup>+</sup> B, 24 <sup>th</sup> Ed – Electrometric Method APHA 2510 B, 24 <sup>th</sup> Ed – Electrometric Method APHA 2130 B, 24 <sup>th</sup> Ed – Nephelometric Method Hach Method 8051:2019; USEPA Approved APHA 4500-Cl <sup>-</sup> B, 24 <sup>th</sup> Ed – Argentometric Method APHA 4500-NO <sub>3</sub> <sup>-</sup> B, 24 <sup>th</sup> Ed – UV Spectrophotometric Screening Method Hach Method 8507:2019; USEPA Approved – Diazotization Method

		8. Chemical Oxygen Demand	Hach Method 8000:2021; USEPA Approved – Reactor Digestion
		9. Ammonia (as N)	Hach Method 8155:2015; USEPA Approved – Salicylate Method
		10. Total Reactive Phosphorus (as P)	Hach Method 8048:2018; USEPA Approved:2005; Equivalent to APHA 4500, 24 <sup>th</sup> Ed – P E
		11. Potassium	APHA 3500-K B, 24 <sup>th</sup> Ed
B.	Water	1. Apparent Colour	Hach Method 8025:2014; Adapted from APHA, 24 <sup>th</sup> Ed
		2. Total Dissolved Solids	APHA 2510 B, 24 <sup>th</sup> Ed – Electrometric Method
		3. Total Hardness (as CaCO <sub>3</sub> )	APHA 2340 C, 24 <sup>th</sup> Ed – EDTA Titrimetric Method
		4. Calcium Hardness (as CaCO <sub>3</sub> )	APHA 3500-Ca B, 24 <sup>th</sup> Ed – EDTA Titrimetric Method
		5. Magnesium Hardness	APHA 3500-Mg B, 24 <sup>th</sup> Ed – By Calculation
		6. Calcium	APHA 3500-Ca B, 24 <sup>th</sup> Ed – By Calculation
		7. Magnesium	APHA 3500-Mg B, 24 <sup>th</sup> Ed – By Calculation
		8. Total Organic Carbon	APHA 5310 B, 24 <sup>th</sup> Ed – High Temperature Combustion Method (Total Organic Carbon Analyzer)
		9. Sodium	ASTM D6919-03:2003 – Ion Chromatography
<b>II.</b>	<b>Biological</b>		
A.	Potable Water	1. Detection and Enumeration of Coliform Organisms and <i>E.coli</i>	APHA Method 9221 B:2023 & APHA Method 9221 F:2023
		2. Enumeration of <i>E.coli</i> and Coliform bacteria – Most Probable Number	ISO 9308-2:2012

Issued by the Mauritius Accreditation Service (MAURITAS)

Date: 24 July 2024

.....

Director of MAURITAS