CERTIFICATE OF ACCREDITATION

This is to certify that

MAURITIUS SUGARCANE INDUSTRY RESEARCH INSTITUTE
OF THE
MAURITIUS CANE INDUSTRY AUTHORITY

Testing Laboratory No. T004

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: 22 August 2024 Director of MAURITAS

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

FIRST CERTIFICATE ISSUED ON **22 AUGUST 2008**

Schedule of Accreditation
Laboratory No. T004
(accredited to ISO/IEC 17025:2017)

Permanent Address of Laboratory:
Mauritius Sugarcane Industry Research Institute
Réduit
Mauritius

Postal Address:
Mauritius Sugarcane Industry Research Institute
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Mauritius

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E-mail: contact@msiri.mu

Technical Signatories:
For Chemical:
Dr. Tesha Mardamootoo Sawmynaden
Mr. Bruce Guilbert Garrick Bonarien
(*For accredited tests A1, A2, B1, B2 only)*

For Biological (Plant Pathology):
Mrs. Karuna Mulleegadoo
Mr. Pradeep Jaising Goburdhun

For Biological (Biotechnology):
Dr. Yogesh Parmessur
Dr. Nawshad Joomun

Issue No: 04

Expiry Date: 21 August 2028

	Items, Materials or Products Tested	***Types of tests/Properties Measured Range of Measurement***	***Specification/Standard methods or techniques used***
I.	***Chemical***		
A.	Water & Effluents	1. Determination of pH	AC/WATER/001 (in-house)
		2. Determination of conductivity	AC/WATER/002 based on APHA 2510, 24th Edition
B.	Soil	1. Determination of pH	AC/SOIL/001 (in-house)
		2. Determination of 0.1M H_2SO_4 extractible P & K	AC/SOIL/005 (in-house)
C.	Plants	1. Determination of total N, P and K	AC/PLT/002 (in-house)
II.	***Biological***		
A.	Sugars	1. Determination of yeasts and moulds by Membrane Filtration Method	PP/03 based on ICUMSA Method GS2-47 (2022)
		2. Determination of thermophilic spore forming bacteria by Membrane Filtration Method	PP/04 based on ICUMSA Method GS2-49 (2024)

		3. Determination of total mesophilic aerobic microorganisms by Membrane Filtration Method	PP/05 based on ICUMSA Method GS2-41 (2024)
		4. Determination of osmophilic yeast count by Membrane Filtration Method	PP/06 based on ICUMSA Method GS2-53 (2022)
		5. Determination of *Escherichia coli* and coliforms by Membrane Filtration Method	PP/07 (in-house)
		6. Determination of *Staphylococcus aureus* by Membrane Filtration Method	PP/08 (in-house)
		7. Determination of *Bacillus cereus* by Membrane Filtration Method	PP/09 (in-house)
		8. Determination of Thermophilic Acidophilic Bacteria (TAB) and Guaiacol producing TAB (GP-TAB) by Membrane Filtration Method	PP/11 based on ICUMSA Method GS2-50 (2024)
		9. Determination of *Enterobacteriaceae* by Membrane Filtration Method	PP/12 (in-house)
		10. Determination of *Clostridium perfringens* by Membrane Filtration Method	PP/14 (in-house)
B.	Sugarcane	1. DNA fingerprinting of sugar cane clone	BT/02 (in-house)

Issued by the Mauritius Accreditation Service (MAURITAS)

Date: 30 April 2026

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Director of MAURITAS