



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.



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

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

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

Postal Address:
Mauritius Sugarcane Industry Research
Institute
Réduit
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For Biological (Plant Pathology):
Mrs. Karuna Mulleegadoo
Mr. Pradeep Jaising Goburdhun

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For Biological (Biotechnology):
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Dr. Nawshad Joomun

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Issue No: 01

E-mail: contact@msiri.mu

Expiry Date: 21 August 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>
I.	Chemical		
A.	Water & Effluents	1. Determination of pH 2. Determination of conductivity	AC/WATER/001 (in-house) AC/WATER/002 based on APHA (2023)
B.	Soil	1. Determination of pH 2. Determination of 0.1M H ₂ SO ₄ extractible P & K	AC/SOIL/001 (in-house) 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 2. Determination of thermophilic spore forming bacteria by Membrane Filtration Method	PP/03 based on ICUMSA Method GS2-47 (2022) PP/04 based on ICUMSA Method GS2/3-49 (1998)

B.	Sugarcane	3. Determination of total mesophilic bacterial count by Membrane Filtration Method	PP/05 based on ICUMSA Method GS2/3-41 (2011)
		4. Determination of osmophilic yeast count by Membrane Filtration Method	PP/06 based on ICUMSA Method GS2-53 (2022)
		5. Determination of <i>Escherichia coli</i> and coliforms by Membrane Filtration Method	PP/07 (in-house)
		6. Determination of <i>Staphylococcus aureus</i> by Membrane Filtration Method	PP/08 (in-house)
		7. Determination of <i>Bacillus cereus</i> by Membrane Filtration Method	PP/09 (in-house)
		8. Determination of <i>Enterococci</i> by Membrane Filtration Method	PP/10 based on ISO 7899-2: 2000
		9. Determination of Thermophilic Acidophilic Bacteria (TAB) and Guaiacol producing TAB (GP-TAB) by Membrane Filtration Method	PP/11 based on ICUMSA Method GS2/3-50 (2017)
		10. Determination of <i>Enterobacteriaceae</i> by Membrane Filtration Method	PP/12 (in-house)
		11. Determination of <i>Pseudomonas aeruginosa</i> by Membrane Filtration Method	PP/13 based on ISO 16266: 2006
		12. Determination of <i>Clostridium perfringens</i> by Membrane Filtration Method	PP/14 (in-house)
		1. DNA fingerprinting of sugar cane clone	BT/02 (in-house)

Issued by the Mauritius Accreditation Service (MAURITAS)

Date: 22 August 2024

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Director of MAURITAS