



## **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 fields:

***CHEMICAL, BIOLOGICAL***

***and***

***ENVIRONMENTAL***

as per scope of schedule of accreditation

**THIS LABORATORY MEETS THE REQUIREMENTS OF ISO/IEC 17025**

*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 17025:2005 and any further requirements specified by MAURITAS*

Issue Date: 16 August 2016

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**

**Permanent Address of laboratory:**

Réduit  
Mauritius

**Postal Address:**

Réduit  
Mauritius

**Tel No.:**(230) 454 1061

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**Technical Signatories:**

For Chemical and Environmental:  
Mr. GunshiamUmrit

For Biological (Plant Pathology):  
Dr.Salem Saumtally

For Biological (Biotechnology):  
Dr. Asha Dookun-Saumtally

**Issue No:**02

**Expiry Date:**15 August 2020

	<i>Materials/Products Tested</i>	<i>Types of tests/Properties Measured Range of Measurement</i>	<i>Specification/Standard methods or techniques used</i>
	<b>Chemical</b>		
1.	Water & Effluents	Determination of pH	AC/WATER/001 (in-house)
		Determination of conductivity and salinity	AC/WATER/002 (in-house)
2.	Sugars	Determination of pH	AC/SUG/001 (in-house)
		Determination of conductivity ash in sugars.	AC/SUG/009 (in-house)
		Determination of polarisation in sugar	AC/SUG/004 (in-house)
		Determination of moisture in sugar	AC/SUG/005 (in-house)
		Determination of colour in white sugar	AC/SUG/006 (in-house)
		Determination of reducing sugars in purified sugars by Knight and Allen EDTA Method	AC/SUG/007 (in-house)

		Determination of sulphite in sugars by Rosaniline Colorimetric Method	AC/SUG/008 (in-house)
3.	Sugars, Molasses, Syrup and Cane Juice	Determination of As, Cu, Cd, Pb, Hg and Fe	AC/SUG/010 (in-house)
4.	Soil	Determination of pH	AC/SOIL/001 (in-house)
		Determination of 0.1M extractible P & K in soil	AC/SOIL/005 (in-house)
5.	Plants	Determination of total N, P and K	AC/PLT/002 (in-house)
		Determination of S, Ca and Mg	AC/PLT/003 (in-house)
	<b>Biological</b>		
6.	Sugars & Intermediate Products	Determination of yeasts and moulds by Pour Plate or Membrane Filtration Method	PP/03 based on ICUMSA GS2/3-47 (1998)
		Determination of thermophilic spore forming bacteria by Pour Plate or Membrane Filtration Method	PP/04 based on ICUMSA GS2/3-49 (1998)
		Determination of total mesophilic bacterial count by Membrane Filtration Method	PP/05 based on ICUMSA Method GS2/3-41 (1998)
		Determination of osmophilic yeast count by Membrane Filtration Method	PP/06 (in-house)
		Determination of <i>Escherichia coli</i> and coliforms by Membrane Filtration Method	PP/07 (in-house)
7.	Sugarcane	DNA fingerprinting of sugar cane clone	BT/02 (in-house)
	<b>Environmental</b>		
8.	Water, Molasses & Sugars	Determination of organophosphate, organochlorine, triazine and phenylurea residues	ACENV/001 (in-house)

Issued by the Mauritius Accreditation Service (MAURITAS)

Date: 30 August 2018

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Director of MAURITAS