



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

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Technical Signatories:

For Chemical and Environmental:
Mr. Gunshiam Umrit

For Biological (Plant Pathology):
Dr. Salem Saumtally

For Biological (Biotechnology):
Dr. Asha Dookun-Saumtally and
Mrs. Karuna Devi Mulleegadoo.

Issue No: 01

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> |
|----|----------------------------------|---|--|
| | Chemical | | |
| 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) |

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|----|--|--|--|
| | | 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) |
| | Biological | | |
| 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) |
| 7. | Sugarcane | DNA fingerprinting of sugar cane clone | BT/02 (in-house) |
| | Environmental | | |
| 8. | Water, Molasses & Sugars | Determination of organophosphate, organochlorine, triazine and phenylurea residues | ACENV/001 (in-house) |

Issued by the Mauritius Accreditation Service (MAURITAS)

Date: 16 August 2016

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Director of MAURITAS

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