



**Schedule of Accreditation  
Laboratory No. T004**

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**Issue No:** 3

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**Expiry Date:** 21 August 2012

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	<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 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)

		Determination of conductivity ash in sugars.	AC/SUG/009 (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 total N	AC /SOIL/002 (in-house)
		Determination of total P and K	AC /SOIL/003 (in-house)
		Determination of Soil mineral N	AC/SOIL/004 (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 osmophilic yeast count by pour plate method	PP/01 (in-house)
		Determination of total mesophilic bacterial count by Pour Plate Method	PP/02 based on ICUMSA GS2/3-43 (1998)
		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/01 (in-house)
	<i>Environmental</i>		
8.	Water, Molasses & Sugars	Determination of organophosphate, organochlorine, triazine and phenylurea residues	ACENV/001 (in-house)

Issued by the Mauritius Accreditation Service (MAURITAS)

**Date:** 6 May 2011

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**Director of MAURITAS**