



## **CERTIFICATE OF ACCREDITATION**

This is to certify that

***MAURITIUS STANDARDS BUREAU  
Chemical Unit***

*Testing Laboratory No. T005*

is accredited by the ***Mauritius Accreditation Service (MAURITAS)***  
for the following Testing fields:

***TEXTILES AND GARMENTS TESTING  
FOOD TESTING  
CHEMICAL  
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: 26 September 2024

Director of MAURITAS

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



**Schedule of Accreditation**  
**Laboratory No. T005**  
**(accredited to ISO/IEC 17025:2017)**

**Permanent Address of Laboratory:**

Mauritius Standards Bureau  
Villa Road  
MOKA

**Postal Address:**

Mauritius Standards Bureau  
Villa Road  
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**Technical Signatories:**

For Textiles and Garments Testing:

Mr. Rajwant Rao Gunnoo

Mrs. Chanduranee Jeebun

Mrs. Pekshna Kisto - Bhaugeerutty

For Food Testing:

Mr. Loganaden Pillay Soobramanien

Mrs. Smita Seebah-Ramchurn

Mrs. Neeroo Devi Nobeen

Mr. Chundunsing Baichoo (for accredited test D4)

For Chemical:

Mr. Shabbir Hammad Ghoorun

Mr. Ghansyam Seedyah

Mrs. Neeroo Devi Nobeen (for accredited test F1)

Mr. Yashvan Bisnatsingh

For Biological:

Mr. Chundunsing Baichoo

Ms. Meenathee Nagamootoo

**Issue No:** 06

**Expiry Date:** 07 November 2026

	<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>
<b>I.</b>	<b><i>Textiles and Garments Testing</i></b>		
A.	Fabric and yarn	1. Colour Fastness to water 2. Colour Fastness to perspiration 3. Colour Fastness to rubbing 4. Mixtures of certain cellulose fibres with certain other fibres (method using sulphuric acid)	ISO 105 E01:2013 ISO 105 E04:2013 ISO 105 X12:2016 ISO 1833-11:2017
B.	Fabrics	1. Determination of fabric propensity to surface pilling, fuzzing or matting	ISO 12945-1:2020
C.	Single spun yarns	1. Determination of twists in single spun yarns	ISO 17202:2002

D.	Toys	<ol style="list-style-type: none"> <li>1. Features protruding 50 mm or more from surface of toy</li> <li>2. Features protruding 50 mm or less from the surface of toy</li> <li>3. Full or partial moulded head masks</li> <li>4. Soft filled toys</li> </ol>	<p>BS EN 71-2:2020, Clause 4.2.2</p> <p>BS EN 71-2:2020, Clause 4.2.3</p> <p>BS EN 71-2:2020, Clause 4.2.4</p> <p>BS EN 71-2:2020, Clause 4.5</p>
E.	Fabric and Garment	<ol style="list-style-type: none"> <li>1. Determination of Mass per unit area</li> </ol>	ISO 3801:1977
<b>II. Food Testing</b>			
A.	Cereals and cereals products	<ol style="list-style-type: none"> <li>1. Determination of moisture content</li> <li>2. Determination of total ash content</li> <li>3. Determination of nitrogen by Kjeldahl method</li> </ol>	<p>FOO/01 based on ISO 712: 2009</p> <p>FOO/02 based on ISO 2171:2023</p> <p>FOO/04 based on ISO 20483:2013</p>
B.	Dried Milk powder and dried milk products	<ol style="list-style-type: none"> <li>1. Determination of fat content</li> </ol>	FOO/03 based on ISO 23318:2022
C.	Rice	<ol style="list-style-type: none"> <li>1. Determination of average length of rice</li> <li>2. Determination of broken kernels</li> <li>3. Determination of foreign matter/grains and paddy</li> <li>4. Determination of red and undermilled kernels, damage and yellow kernels, chalky kernels</li> </ol>	<p>FOO/06 based on MS ISO 7301:2021 - specification for rice and ISO 11746:2020</p> <p>FOO/07 based on MS ISO 7301:2021 - specification for rice</p> <p>FOO/09 based on MS ISO 7301:2021 - specification for rice</p> <p>FOO/08 based on MS ISO 7301:2021 - specification for rice</p>

D.	Fish and fishery products	<ol style="list-style-type: none"> <li>1. Determination of moisture content</li> <li>2. Determination of protein content</li> <li>3. Determination of fat content</li> <li>4. Determination of Histamine content</li> <li>5. Determination of Total Volatile Base-Nitrogen (TVBN)</li> </ol>	<p>FOO/10 based on ISO 1442:2023</p> <p>FOO/11 based on ISO 1871: 2009</p> <p>FOO/12 based on AOAC-17<sup>th</sup> edition method 948.15</p> <p>FOO/19 based on AOAC Official Method 977.13</p> <p>FOO/05 based on EC No 2074: 2005</p>
E.	Water	<ol style="list-style-type: none"> <li>1. Determination of ammonium</li> <li>2. Determination of total chlorine</li> <li>3. Determination of pH</li> <li>4. Determination of electrical conductivity</li> <li>5. Determination of Total Dissolved Solids</li> <li>6. Determination of turbidity</li> <li>7. Determination of total alkalinity</li> </ol>	<p>FOO/13 based on ISO 5664: 1984</p> <p>FOO/14 based on ISO 7393-3: 1990</p> <p>FOO/15 based on ISO 10523: 2008</p> <p>FOO/16 based on ISO 7888: 1985</p> <p>FOO/17 based on BS EN 15216:2021</p> <p>FOO/18 based on ISO 7027: 2016</p> <p>FOO/20 based on ISO 9963:1994</p>
<b>III. Chemical</b>			
A.	Carbon Steel Bars	<ol style="list-style-type: none"> <li>1. Determination of copper, nickel molybdenum, chromium, manganese, vanadium and phosphorus contents</li> <li>2. Determination of total carbon and sulphur contents</li> <li>3. Determination of nitrogen content</li> </ol>	<p>In-house Method based on ISO 16918: Parts 1 and 2: 2009 and ISO 13898:1997</p> <p>ISO 15350:2000</p> <p>ISO 15351:1999</p>

B.	Potable Water	<ol style="list-style-type: none"> <li>1. Determination of aluminium, arsenic, calcium, cadmium, copper, iron, potassium, magnesium, manganese, sodium, nickel, lead and zinc contents</li> <li>2. Determination of aluminium, arsenic, cadmium, copper, iron, potassium, magnesium, manganese, sodium, nickel, lead and zinc contents</li> </ol>	<p>ISO 11885:2007</p> <p>ISO 17294-2:2016</p>
C.	Fish and Fishery Products	<ol style="list-style-type: none"> <li>1. Determination of mercury content using pressure digestion</li> <li>2. Determination of arsenic, chromium, lead, cadmium and tin contents</li> </ol>	<p>In-house method – Inductively-coupled plasma optical emission spectrometry with the Hydramist sample introduction system and based on BS EN 13805:2014</p> <p>In-house method based on BS EN 15763:2009</p>
D.	Stainless Steel	<ol style="list-style-type: none"> <li>1. Determination of copper, nickel, molybdenum, chromium, manganese, vanadium and phosphorus contents</li> <li>2. Determination of total carbon and sulphur contents</li> <li>3. Determination of nitrogen content</li> </ol>	<p>In-house method based on ISO 16918 Parts 1&amp;2:2009 and ISO 13898:1997</p> <p>ISO 15350:2000</p> <p>ISO 15351:1999</p>
E.	Toys	<ol style="list-style-type: none"> <li>1. Determination of antimony, arsenic, barium, cadmium, chromium, lead and selenium contents</li> </ol>	<p>BS EN 71-3: 2019 + A1:2021</p>
F.	Cement	<ol style="list-style-type: none"> <li>1. Determination of loss on ignition, sulphate and chloride contents and residue insoluble in hydrochloric acid and sodium carbonate</li> </ol>	<p>BS EN 196-2:2013</p>

<b>IV.</b>	<b>Biological</b>		
A.	Drinking water and water used for food processing plant	1. Total Viable Count at 22°C and 37°C 2. Enumeration of <i>Escherichia coli</i> and coliform bacteria – Part 1: Membrane filtration method for waters with low bacterial background flora	ISO 6222:1999  ISO 9308-1:2014 / Amd 1:2016
B.	Food and food products	1. Total viable count at 30°C - Part 1: Pour plate method Part 2: Surface spread method 2. Enumeration of Total coliform 3. Enumeration of β-glucuronidase positive <i>Escherichia coli</i> – Part 2: Colony count at 44°C using 5-bromo-4 – chloro-3-indolyl β -D- glucuronide 4. Enumeration of coagulase positive staphylococci using Baird and Parker Technique	ISO 4833-1:2013 / Amd 1:2022 ISO 4833-2:2013 / Amd 1:2022  ISO 4832:2006  ISO 16649-2:2001  ISO 6888-1:2021 / Amd 1:2023

Issued by the Mauritius Accreditation Service (MAURITAS)

Date: 10 October 2024

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 Ag. Director of MAURITAS