(formerly Centre for Laboratory Accreditation)



### Certificate of Accreditation

### SYSS Labs India

(formerly MDC Testing and Certifications)

Second Floor, SCO No.9, DLF Valley, Islam Nagar, Pinjore, Panchkula-133302, Haryana, India

has been assessed and accredited in accordance with the Standard ISO/IEC 17025:2017

"General Requirements for the Competence of Testing and Calibration Laboratories"

In the field of

#### Testing

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued compliance to the above standard & any other requirements specified by QAI.



QAI/CIA/TL/2023/0020

(Replacing CLA with CIA w.e.f. 05 July 2024)

Valid from: 09 August 2023

Valid until: 08 August 2025

Dr. Bhupendra Kumar Rana

Chief Executive Officer

Prof. Vikram Kumar

Chair, CIA



(formerly Centre for Laboratory Accreditation)



#### Scope of Accreditation

SYSS Labs India

(Formerly MDC Testing and Certifications)
Second Floor, SCO No.9, DLF Valley, Islam Nagar, Pinjore,
Panchkula-133302, Haryana, India

QAI/CIA/TL/2023/0020

Valid from: **09 August 2023** (Name Change w.e.f.: 05 July 2024 Valid until: **08 August 2025** 

	Electrical Testing			
SI. No.	Product (S) Material of Test	Specific Tests Performed	Test Method	
	Medical Electrical Devices			
1.	Medical electrical equipment	Power supply	Clause no. 4.10 IS 13450 (Part 1): 2018 IEC 60601-1:2012	
2.	Medical electrical equipment	Power input	Clause no. 4.11 IS 13450 (Part 1): 2018 IEC 60601-1:2012	
3.	Medical electrical equipment	Determination of applied parts and accessible parts	Clause no. 5.9 IS 13450 (Part 1): 2018 IEC 60601-1:2012	
4.	Medical electrical equipment	Methods of sterilization	Clause no. 6.4 IS 13450 (Part 1): 2018 IEC 60601-1:2012	
5.	Medical electrical equipment	Equipment identification, marking documents	Clause no. 7 IS 13450 (Part 1): 2018 IEC 60601-1:2012	
6.	Medical electrical equipment	Classification of applied part	Clause no. 8.3 IS 13450 (Part 1): 2018 IEC 60601-1:2012	
7.	Medical electrical equipment	Limitation of voltage, current or energy	Clause no. 8.4 IS 13450 (Part 1): 2018 IEC 60601-1:2012	

(formerly Centre for Laboratory Accreditation)



#### Scope of Accreditation

SYSS Labs India

(Formerly MDC Testing and Certifications)
Second Floor, SCO No.9, DLF Valley, Islam Nagar, Pinjore,
Panchkula-133302, Haryana, India

QAI/CIA/TL/2023/0020

Valid from: **09 August 2023** (Name Change w.e.f.: 05 July 2024 Valid until: **08 August 2025** 

	Electrical Testing			
SI. No.	Product (S) Material of Test	Specific Tests Performed	Test Method	
	Medical Electrical Devices			
8.	Medical electrical equipment	Separation of parts	Clause no. 8.5 (Except 8.5.5) IS 13450 (Part 1): 2018 IEC 60601-1:2012	
9.	Medical electrical equipment	Single fault condition	Clause no. 8.7.2 IS 13450 (Part 1): 2018 IEC 60601-1:2012	
10.	Medical electrical equipment	Dielectric strength	Clause no. 8.8.3 IS 13450 (Part 1): 2018 IEC 60601-1:2012	
11.	Medical electrical equipment	Mechanical strength and resistance to heat	Clause no. 8.8.4.1 IS 13450 (Part 1): 2018 IEC 60601-1:2012	
12.	Medical electrical equipment	Creepage Distances and Air Clearances	Clause no. 8.9 IS 13450 (Part 1): 2018 IEC 60601-1:2012	
13.	Medical electrical equipment	Components and wiring	Clause no. 8.10 IS 13450 (Part 1): 2018 IEC 60601-1:2012	
14.	Medical electrical equipment	Cord anchorage	Clause no. 8.11.3.5 IS 13450 (Part 1): 2018 IEC 60601-1:2012	
15.	Medical electrical equipment	Excessive temperatures in ME equipment	Clause no. (11.1.1 to 11.1.4) IS 13450 (Part 1): 2018 IEC 60601-1:2012	

(formerly Centre for Laboratory Accreditation)



#### Scope of Accreditation

SYSS Labs India

(Formerly MDC Testing and Certifications) Second Floor, SCO No.9, DLF Valley, Islam Nagar, Pinjore, Panchkula-133302, Haryana, India

QAI/CIA/TL/2023/0020

Valid from: 09 August 2023 (Name Change w.e.f.: 05 July 2024 Valid until: 08 August 2025

Accreditation Standard: ISO/IEC 17025:2017

	Electrical Testing			
SI. No.	Product (S) Material of Test	Specific Tests Performed	Test Method	
	Medical Electrical Devices			
16.	Medical electrical equipment	Alarm systems	Clause no. 12.3 IS 13450 (Part 1): 2018 IEC 60601-1:2012	
17.	Medical electrical equipment	Mould stress relief test	Clause no. 15.3.6 IS 13450 (Part 1): 2018 IEC 60601-1:2012	
18.	Medical electrical equipment	Cord-connected hand-held and foot-operated control devices	Clause no. 15.4.7.1 IS 13450 (Part 1): 2018 IEC 60601-1:2012	
19.	Medical electrical equipment	General requirements for the ME systems	Clause no. 16 (Except 16.1) IS 13450 (Part 1): 2018 IEC 60601-1:2012	

www. qai.org.in

(formerly Centre for Laboratory Accreditation)



#### Scope of Accreditation

SYSS Labs India

(Formerly MDC Testing and Certifications) Second Floor, SCO No.9, DLF Valley, Islam Nagar, Pinjore, Panchkula-133302, Haryana, India

QAI/CIA/TL/2023/0020

Valid from: 09 August 2023 (Name Change w.e.f.: 05 July 2024 Valid until: 08 August 2025

Accreditation Standard: ISO/IEC 17025:2017

	Electrical Testing			
SI. No.	Product (S) Material of Test	Specific Tests Performed	Test Method	
	Domestic Electrical Appliances			
1.	Electric iron, electric immersion water heater, toasters, grills, roasters, domestic electric food mixers (liquidizers and grinders) and centrifugal juicers	Classification	IS 302-1: 2008 Cl. 6	
2.	Electric iron, electric immersion water heater, toasters, grills, roasters, domestic electric food mixers (liquidizers and grinders) and centrifugal juicers	Marking	IS 302-1: 2008 Cl. 7	
3.	Electric iron, electric immersion water heater, toasters, grills, roasters, domestic electric food mixers (liquidizers and grinders) and centrifugal juicers	Protection against access to live part	IS 302-1: 2008 Cl. 8, IS 302-2-3: 2007 Cl. 8, IS 302-2-201:2008 Cl. 8, IS 302-2-9: 2009 Cl. 8	
4.	Domestic electric food mixers (liquidizers and grinders) and centrifugal juicers	Starting	IS 302-1: 2008 Cl. 9, IS 4250: 1980 Cl. 9	
5.	Electric iron, electric immersion water heater,	Power input and current	IS 302-1: 2008 Cl. 10, IS 302-2-3: 2007 Cl. 10,	

www. qai.org.in

(formerly Centre for Laboratory Accreditation)



#### Scope of Accreditation

SYSS Labs India

(Formerly MDC Testing and Certifications) Second Floor, SCO No.9, DLF Valley, Islam Nagar, Pinjore, Panchkula-133302, Haryana, India

QAI/CIA/TL/2023/0020

Valid from: 09 August 2023 (Name Change w.e.f.: 05 July 2024 Valid until: 08 August 2025

	Electrical Testing			
SI. No.	Product (S) Material of Test	Specific Tests Performed	Test Method	
	Domestic Electrical Appliances			
	toasters, grills, roasters, domestic electric food mixers (liquidizers and grinders) and centrifugal juicers		IS 302-2-201:2008 Cl. 10, IS 302-2-9: 2009 Cl. 10, IS 4250: 1980 Cl. 10	
6.	Electric iron, electric immersion water heater, toasters, grills, roasters, domestic electric food mixers (liquidizers and grinders) and centrifugal juicers	Heating	IS 302-1: 2008 Cl. 11, IS 302-2-3: 2007 Cl. 11, IS 302-2-201:2008 Cl. 11, IS 302-2-9: 2009 Cl. 11, IS 4250: 1980 Cl. 11	
7.	Electric iron, electric immersion water heater, toasters, grills, roasters, domestic electric food mixers (liquidizers and grinders) and centrifugal juicers	Leakage current and electric strength at operating temperature	IS 302-1: 2008 Cl. 13, IS 302-2-3: 2007 Cl. 13, IS 302-2-201:2008 Cl. 13, IS 302-2-9: 2009 Cl. 13	
8.	Electric iron, electric immersion water heater, toasters, grills, roasters, domestic electric food mixers (liquidizers and grinders) and centrifugal juicers	Transient overvoltage	IS 302-1: 2008 Cl. 14, IS 302-2-3: 2007 Cl. 14, IS 302-2-201:2008 Cl. 14, IS 302-2-9: 2009 Cl. 14, IS 4250: 1980 Cl. 14	
9.	Electric iron, electric immersion water heater, toasters, grills, roasters,	Moisture resistance	IS 302-1: 2008 Cl. 15, IS 302-2-3: 2007 Cl. 15, IS 302-2-201:2008 Cl. 15,	

(formerly Centre for Laboratory Accreditation)



#### Scope of Accreditation

SYSS Labs India

(Formerly MDC Testing and Certifications)
Second Floor, SCO No.9, DLF Valley, Islam Nagar, Pinjore,
Panchkula-133302, Haryana, India

QAI/CIA/TL/2023/0020

Valid from: **09 August 2023** (Name Change w.e.f.: 05 July 2024 Valid until: **08 August 2025** 

	Electrical Testing			
SI. No.	Product (S) Material of Test	Specific Tests Performed	Test Method	
	Domestic Electrical Appliances			
	domestic electric food mixers (liquidizers and grinders) and centrifugal juicers		IS 302-2-9: 2009 Cl. 15, IS 4250: 1980 Cl. 15	
10.	Electric iron, electric immersion water heater, toasters, grills, roasters, domestic electric food mixers (liquidizers and grinders) and centrifugal juicers	Leakage current and electric strength (after humidity preconditioning)	IS 302-1: 2008 Cl.16, IS 302-2-3: 2007 Cl. 16, IS 302-2-201:2008 Cl. 16, IS 302-2-9: 2009 Cl. 16	
11.	Domestic electric food mixers (liquidizers and grinders) and centrifugal juicers	Endurance	IS 302-1: 2008 Cl. 18, IS 4250: 1980 Cl. 18	
12.	Electric iron, electric immersion water heater, toasters, grills, roasters, domestic electric food mixers (liquidizers and grinders) and centrifugal juicers	Abnormal operation	IS 302-1: 2008 Cl. 19, IS 302-2-3: 2007 Cl. 19, IS 302-2-201:2008 Cl. 19, IS 302-2-9: 2009 Cl. 19, IS 4250: 1980 Cl. 19.1	
13.	Electric iron, electric immersion water heater, Toasters, grills, roasters, domestic electric food mixers (liquidizers and grinders) and centrifugal juicers	Stability and mechanical hazards	IS 302-1: 2008 Cl. 20, IS 302-2-3: 2007 Cl. 20, IS 302-2-201:2008 Cl. 20, IS 302-2-9: 2009 Cl. 20, IS 4250: 1980 Cl. 20.1	

(formerly Centre for Laboratory Accreditation)



#### Scope of Accreditation

SYSS Labs India

(Formerly MDC Testing and Certifications)
Second Floor, SCO No.9, DLF Valley, Islam Nagar, Pinjore,
Panchkula-133302, Haryana, India

QAI/CIA/TL/2023/0020

Valid from: **09 August 2023** (Name Change w.e.f.: 05 July 2024 Valid until: **08 August 2025** 

	Electrical Testing			
SI. No.	Product (S) Material of Test	Specific Tests Performed	Test Method	
	Domestic Electrical Appliances			
14.	Electric iron, electric immersion water heater, toasters, grills, roasters, domestic electric food mixers (liquidizers and grinders) and centrifugal juicers	Mechanical strength	IS 302-1: 2008 Cl. 21, IS 302-2-3: 2007 Cl. 21, IS 302-2-201:2008 Cl. 21, IS 302-2-9: 2009 Cl. 21,	
15.	Electric iron, electric immersion water heater, toasters, grills, roasters, domestic electric food mixers (liquidizers and grinders) and centrifugal juicers	Construction	IS 302-1: 2008 Cl. 22, IS 302-2-3: 2007 Cl. 22, IS 302-2-201:2008 Cl. 22, IS 302-2-9: 2009 Cl. 22	
16.	Electric iron, electric immersion water heater, toasters, grills, roasters, domestic electric food mixers (liquidizers and grinders) and centrifugal juicers	Internal wiring	IS 302-1: 2008 Cl. 23, IS 302-2-3: 2007 Cl. 23, IS 302-2-201:2008 Cl. 23, IS 302-2-9: 2009 Cl. 23, IS 4250: 1980 Cl. 23	
17.	Electric iron, electric immersion water heater, toasters, grills, roasters, domestic electric food mixers (liquidizers and grinders) and centrifugal juicers	Components	IS 302-1: 2008 Cl. 24, IS 302-2-3: 2007 Cl. 24, IS 302-2-201:2008 Cl. 24, IS 302-2-9: 2009 Cl. 24	

(formerly Centre for Laboratory Accreditation)



#### Scope of Accreditation

SYSS Labs India

(Formerly MDC Testing and Certifications)
Second Floor, SCO No.9, DLF Valley, Islam Nagar, Pinjore,
Panchkula-133302, Haryana, India

QAI/CIA/TL/2023/0020

Valid from: **09 August 2023** (Name Change w.e.f.: 05 July 2024 Valid until: **08 August 2025** 

	Electrical Testing			
SI. No.	Product (S) Material of Test	Specific Tests Performed	Test Method	
	Domestic Electrical Appliances			
18.	Electric iron, electric immersion water heater, toasters, grills, roasters, domestic electric food mixers (liquidizers and grinders) and centrifugal juicers	Supply connection and external flexible cables and cords	IS 302-1: 2008 Cl. 25, IS 302-2-3: 2007 Cl. 25, IS 302-2-201:2008 Cl. 25, IS 302-2-9: 2009 Cl. 25, IS 4250: 1980 Cl. 25	
19.	Electric iron, electric immersion water heater, toasters, grills, roasters, domestic electric food mixers (liquidizers and grinders) and centrifugal juicers	Terminals for external conductors	IS 302-1: 2008 Cl. 26, IS 302-2-3: 2007 Cl. 26, IS 302-2-201:2008 Cl. 26, IS 302-2-9: 2009 Cl. 26, IS 4250: 1980 Cl. 26	
20.	Electric iron, electric immersion water heater, toasters, grills, roasters, domestic electric food mixers (liquidizers and grinders) and centrifugal juicers	Provision of earthing	IS 302-1: 2008 Cl. 27, IS 302-2-3: 2007 Cl. 27, IS 302-2-201:2008 Cl. 27, IS 302-2-9: 2009 Cl. 27	
21.	Electric iron, electric immersion water heater, toasters, grills, roasters, domestic electric food mixers (liquidizers and grinders) and centrifugal juicers	Screws and connections	IS 302-1: 2008 Cl. 28, IS 302-2-3: 2007 Cl. 28, IS 302-2-201:2008 Cl. 28, IS 302-2-9: 2009 Cl. 28, IS 4250: 1980 Cl. 28	

(formerly Centre for Laboratory Accreditation)



#### Scope of Accreditation

SYSS Labs India

(Formerly MDC Testing and Certifications) Second Floor, SCO No.9, DLF Valley, Islam Nagar, Pinjore, Panchkula-133302, Haryana, India

QAI/CIA/TL/2023/0020

Valid from: 09 August 2023 (Name Change w.e.f.: 05 July 2024 Valid until: 08 August 2025

	Electrical Testing			
SI. No.	Product (S) Material of Test	Specific Tests Performed	Test Method	
	Domestic Electrical Appliances			
22.	Electric iron, electric immersion water heater, toasters, grills, roasters, domestic electric food mixers (liquidizers and grinders) and centrifugal juicers	Creepage distances, clearances and distances through insulation	IS 302-1: 2008 Cl. 29, IS 302-2-3: 2007 Cl. 29. IS 302-2-201:2008 Cl. 29, IS 302-2-9: 2009 Cl. 29, IS 4250: 1980 Cl. 29	
23.	Electric iron, electric immersion water heater, toasters, grills, roasters, domestic electric food mixers (liquidizers and grinders) and centrifugal juicers	Resistance to heat, fire and tracking	IS 302-1: 2008 Cl. 30, IS 302-2-3: 2007 Cl. 30, IS 302-2-201:2008 Cl. 30, IS 302-2-9: 2009 Cl. 30	
24.	Electric iron, electric immersion water heater, toasters, grills, roasters	Resistance to rusting	IS 302-1: 2008 Cl. 31, IS 302-2-3: 2007 Cl. 31, IS 302-2-201:2008 Cl. 31, IS 302-2-9: 2009 Cl. 31, IS 4250: 1980 Cl. 31	
25.	Electric iron, electric immersion water heater, toasters, grills, roasters, domestic electric food mixers (liquidizers and grinders) and centrifugal juicers	Radiation, toxicity and similar hazards	IS 302-1: 2008 Cl. 32, IS 302-2-3: 2007 Cl. 32, IS 302-2-201:2008 Cl. 32, IS 302-2-9: 2009 Cl. 32	

(formerly Centre for Laboratory Accreditation)



#### Scope of Accreditation

SYSS Labs India

(Formerly MDC Testing and Certifications) Second Floor, SCO No.9, DLF Valley, Islam Nagar, Pinjore, Panchkula-133302, Haryana, India

QAI/CIA/TL/2023/0020

Valid from: 09 August 2023 (Name Change w.e.f.: 05 July 2024 Valid until: 08 August 2025

Accreditation Standard: ISO/IEC 17025:2017

	Electrical Testing			
SI. No.	Product (S) Material of Test	Specific Tests Performed	Test Method	
	Domestic Electrical Appliances			
26.	Electric iron, electric immersion water heater, toasters, grills, roasters, domestic electric food mixers (liquidizers and grinders) and centrifugal juicers	Earth continuity test	IS 302-1: 2008 A-1	
27.	Electric iron, electric immersion water heater, toasters, grills, roasters, domestic electric food mixers (liquidizers and grinders) and centrifugal juicers	Electric strength test	IS 302-1: 2008 A-2	
28.	Electric iron, electric immersion water heater, toasters, grills, roasters, domestic electric food mixers (liquidizers and grinders) and centrifugal juicers	Functional test	IS 302-1: 2008 A-3	
29.	Domestic electric food mixers (liquidizers and grinders) and centrifugal juicers	Operational test	IS 4250: 1980 Cl. 34	
30.	Domestic electric food mixers (liquidizers and grinders) and centrifugal juicers	Temperature withstand test for bowl	IS 4250: 1980 Cl. 35	

www. qai.org.in

(formerly Centre for Laboratory Accreditation)



#### Scope of Accreditation

SYSS Labs India

(Formerly MDC Testing and Certifications)
Second Floor, SCO No.9, DLF Valley, Islam Nagar, Pinjore,
Panchkula-133302, Haryana, India

QAI/CIA/TL/2023/0020

Valid from: **09 August 2023** (Name Change w.e.f.: 05 July 2024 Valid until: **08 August 2025** 

	Electrical Testing			
SI. No.	Product (S) Material of Test	Specific Tests Performed	Test Method	
	Domestic Electrical Appliances			
31.	Domestic electric food mixers (liquidizers and grinders) and centrifugal juicers	Test for controls	IS 4250: 1980 Cl. 36.1	
32.	Domestic electric food mixers (liquidizers and grinders) and centrifugal juicers	Finish	IS 302-1: 2008 Cl. 33	
33.	Domestic electric food mixers (liquidizers and grinders) and centrifugal juicers	Strength of assembly	IS 4250: 1980 Cl. 37	

(formerly Centre for Laboratory Accreditation)



#### Scope of Accreditation

SYSS Labs India

(Formerly MDC Testing and Certifications)
Second Floor, SCO No.9, DLF Valley, Islam Nagar, Pinjore,
Panchkula-133302, Haryana, India

QAI/CIA/TL/2023/0020

Valid from: **09 August 2023** (Name Change w.e.f.: 05 July 2024 Valid until: **08 August 2025** 

		Mechanical Testing	
SI. No.	Product (S) Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metal		
1.	Mechanical properties of metals including stainless steel, titanium & titanium alloys, cobalt chromium alloys & titanium nibonium, aluminium	Axial compression bending (single cycle compression / bending) • Load • Proof load • Fracture Load • Bending strength • Bending stiffness • Bending structural stiffness • Displacement • Disassembly force	ISO 6892-1:2019 IS 14229:1995 ISO 9585:1990 ASTM 382:2014 ASTM F 384:2017 ASTM F 366:2017 ASTM F 564:2017 ASTM F 1264:2016 ASTM F 1541:2017 ASTM F 1717:2021 ASTM F 1798:2021 ASTM F 2077:2018 ASTM F 2267:2018 ASTM F 1820:2013 ASTM F 1829:2017 ASTM F 2068:2015 ASTM F 2706:2018 ISO 7206-10:2018 ISO 7206-10:2018 ISO 7206-10:2018 (Amd 1:2021) ASTM F 2193-20 ISO 14801:2016

(formerly Centre for Laboratory Accreditation)



#### Scope of Accreditation

SYSS Labs India

(Formerly MDC Testing and Certifications)
Second Floor, SCO No.9, DLF Valley, Islam Nagar, Pinjore,
Panchkula-133302, Haryana, India

QAI/CIA/TL/2023/0020

Valid from: **09 August 2023** (Name Change w.e.f.: 05 July 2024 Valid until: **08 August 2025** 

Mechanical Testing					
Sl. No.	Product (S) Material of Test	Specific Tests Performed	Test Method		
	Mechanical Properties of Metal				
2.	Mechanical properties of metals including stainless steel, titanium & titanium alloys, cobalt chromium alloys & titanium nibonium, aluminium	Axial tensile testing  • Axial pull out load  • Expulsion force  • Disassembly force  • Displacement	IS 1608:2005 ASTM F 543:2017 ISO 6475:1989 ASTM F 1541:2017 ASTM F 1717:2021 ASTM F 1798:2021 ASTM F 2706:2018 ISO 7206-10:2018 ISO 7206-10:2018 Amd.1:2018 ASTM F 2193-20		
3.	Mechanical properties of metals including stainless steel, titanium & titanium alloys, cobalt chromium alloys & titanium nibonium, aluminium	Fatigue properties	ASTM 382:2014 ASTM F 384:2017 ASTM F 366:2017 ASTM F 564:2017 ASTM F 1264:2016 ASTM F 1541:2017 ASTM F 1717:2021 ASTM F 1798:2021 ASTM F 2077:2018 ASTM F 2077:2018 ASTM F 2267:2018 ASTM F 2706:2018 ISO 7206-4:2010 ISO 7206-6:2013 ASTM F 2193-20 ISO 14801:2016		

(formerly Centre for Laboratory Accreditation)



#### Scope of Accreditation

SYSS Labs India

(Formerly MDC Testing and Certifications)
Second Floor, SCO No.9, DLF Valley, Islam Nagar, Pinjore,
Panchkula-133302, Haryana, India

QAI/CIA/TL/2023/0020

Valid from: **09 August 2023** (Name Change w.e.f.: 05 July 2024 Valid until: **08 August 2025** 

Mechanical Testing				
SI. No.	Product (S) Material of Test	Specific Tests Performed	Test Method	
	Mechanical Properties of Metal			
4.	Mechanical properties of metals including stainless steel, titanium & titanium alloys, cobalt chromium alloys & titanium nibonium, aluminium	Torsional properties	ASTM F 543:2017 ISO 6475:1989 ASTM F 1541:2017 ASTM F 2706:2018 ASTM F 1264:2016 ASTM F 1541:2017 ISO 7206-13:2016 ASTM F 2193-20 ISO 14801:2016	