



सत्यमेव जयते



GOVERNMENT OF INDIA
MINISTRY OF COMMUNICATIONS
DEPARTMENT OF TELECOMMUNICATIONS
TELECOMMUNICATION ENGINEERING CENTRE
Gate No. 5, Khurshid Lal Bhawan, Janpath, New Delhi-110001

CERTIFICATE OF DESIGNATION

**M/s SPECTRO ANALYTICAL LABS PRIVATE LIMITED,
GREATER NOIDA**
has been assessed and designated as Conformity Assessment Body (CAB)
for its facilities at

S-1, GNEPIP, Surajpur Industrial Area, Phase-V, Kasna, Greater Noida- 201 308
In the field of Testing

Certificate No. TEC/MRA/CAB/IND-D/20

Issue Date: 29/12/2021

Validity: 11/12/2021 to 10/12/2024

This Certificate remains valid for the Scope of Designation as specified in the Annexure subject to the continued validity of NABL Accreditation and satisfied compliance to the Standards/specifications against which lab has been designated and strict compliance to the relevant terms and conditions of TEC CAB Designation Scheme.

(To see the scope of designation of this laboratory, you may also visit TEC website www.tec.gov.in)

Signed for and on behalf of TEC

Prasanth Kumar
Deputy Director General (MTCTE)
For Designating Authority
TEC

Certificate No: TEC/MRA/CAB/IND-D/20 dated 29/12/2021 issued to
M/s Spectro Analytical Labs Private Limited
S-1, GNEPIP, Surajpur Industrial Area, Phase-V, Kasna, Greater Noida- 201 308

Validity:-11/12/2021 to 10/12/2024

Terms & Conditions

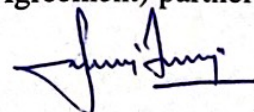
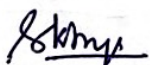
This certificate is issued as per the terms and conditions stipulated in the TEC Scheme for Designating Domestic Conformity Assessment Bodies and Certification Bodies for Conformity Assessment and Certification of Telecommunication Equipment Issue 2 No. TEC/DES-01/02.DEC.2017.

Some of the conditions are reiterated as under:

A. Obligations of the Designated CAB.

1. It shall ensure that it maintains its accreditation status from any recognised Indian accreditation body like NABL during validity period of certificate.
2. It shall follow the stipulated procedures, rules and policies laid down by Designating Authority (DA) or Mutual Recognition Agreement (MRA)* partner for testing and evaluation.
3. In respect of tests for which it is seeking designation, it shall have no interest whatsoever in any business to carry out testing in an unfair or biased manner.
4. It shall fully indemnify DA from and against all liabilities, damages, claims, costs, and expenses incurred or sustained by DA as a result of any action taken or omitted by DA relating to the process of designation.
5. It shall comply with DA's or MRA partner's terms and conditions for designation and recognition as modified from time to time.
6. It shall be under obligation to participate in the online process prescribed by TEC for test and certification against TEC's GR/IR/ER and Standards.
7. It shall have a record system which shall have a retention period of at least 5 years for documents related to the equipment testing. It shall maintain all the relevant documents including list of products submitted for testing, product-wise testing and evaluation reports. These documents shall be produced before the DA within seven days, as and when required.
8. It shall ensure the Intellectual Property Rights of the customers in the course of testing by maintaining professional ethics, secrecy and keeping all the product related information confidential.

*Applicable only if recognized by MRA (Mutual Recognition Agreement) partner



9. It shall notify the DA in writing of occurrence of any of the following incident(s) within two weeks of its occurrence.
- a) Cessation of its business of conformity assessment for which it is designated or accredited
 - b) Changes in its legal, commercial, or Organisational status
 - c) Changes, which may affect continuing compliance with any of the criteria or requirement specified by DA or MRA partner.
 - d) Change of premises

B. REFERENCE TO DESIGNATION STATUS

1. Designated CABs may advertise their designation status with regard to Standards or parts thereof which are included in the scope of designation.
2. The advertisement should not imply, or otherwise suggest that DA or MRA Partner has endorsed the product or imply that the designated CAB is an agent or representative of DA or MRA Partner.
3. CABs whose designations have been suspended or withdrawn for any reason, shall discontinue advertisement of their designated status and not make any misleading statements regarding their designation status.

C. POST-DESIGNATION SURVEILLANCE

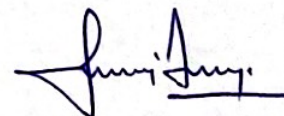
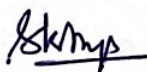
As and when required, DA shall conduct surveillance assessments and other non-routine assessments of the Designated CABs to ensure that Standards of practices are maintained as well as to investigate complaints made against them.

D. SUSPENSION OR WITHDRAWAL OF DESIGNATION

1. DA shall suspend or withdraw the designation of a CAB if
 - a. Its accreditation is withdrawn.
 - b. It is found that the CAB is not complying with the stipulated criteria or requirements.
 - c. It is guilty of any offence involving fraud or dishonesty.
 - d. DA concludes that there is a just cause for withdrawing the designation.
2. A CAB whose designation, and recognition in case of MRA, has been suspended or withdrawn shall be removed from the list of designated CABs, in case it fails to take corrective measures.
3. DA shall keep the designation of a Designated CAB under suspension, until the completion of formal review process.

E. AMENDMENT TO THE SCHEME

DA reserves the rights to amend the scheme, as and when required, for the purpose of streamlining designation process.



SCOPE OF DESIGNATION
(ANNEXURE)

Laboratory Name: M/s Spectro Analytical Labs Private Limited
S-1, GNEPIP, Surajpur Industrial Area, Phase-V,
Kasna, Greater Noida- 201 308

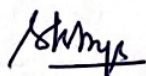
Certificate Number: TEC/MRA/CAB/IND-D/20

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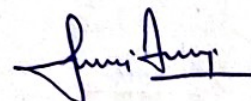
Validity: 11/12/2021 to 10/12/2024

Last Amended on: ----

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
1.	Information Technology Equipment –Safety Requirement	Power Interface Clause-1.6	IEC 60950-1:2005 + A1:2009 + A2:2013
		Marking and Instructions Clause-1.7	IEC 60950-1:2005 + A1:2009 + A2:2013
		Protection from Electric Shocks and Energy hazards Clause-2.1	IEC 60950-1:2005 + A1:2009 + A2:2013
		Protection in Operator Access areas Clause-2.1.1	IEC 60950-1:2005 + A1:2009 + A2:2013
		Access to Energized parts Clause- 2.1.2	IEC 60950-1:2005 + A1:2009 + A2:2013
		Access to ELV wiring Clause-2.1.1.3	IEC 60950-1:2005 + A1:2009 + A2:2013
		Access to hazardous voltage circuit wiring Clause-2.1.1.4	IEC 60950-1:2005 + A1:2009 + A2:2013
		Energy hazards Clause-2.1.1.5	IEC 60950-1:2005 + A1:2009 + A2:2013
		Discharge of Capacitors in Equipment Clause-2.1.1.7	IEC 60950-1:2005 + A1:2009 + A2:2013
		Energy Hazards-DC mains supplies Clause-2.1.1.8	IEC 60950-1:2005 + A1:2009 + A2:2013



Director (CA), TEC



AD (CA), TEC

***The validity of Certificate is up to 10/12/2024 or the continued validity of NABL Accreditation, whichever is earlier.**

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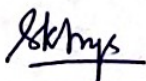
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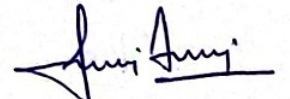
Validity: 11/12/2021 to 10/12/2024

Last Amended on: ----

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Information Technology Equipment –Safety Requirement	Protection in Service Access areas Clause-2.1.2	IEC 60950-1:2005 + A1:2009 + A2:2013
		Protection in restricted access locations Clause-2.1.3	IEC 60950-1:2005 + A1:2009 + A2:2013
		SELV Circuits Clause-2.2	IEC 60950-1:2005 + A1:2009 + A2:2013
		TNV Circuits Clause-2.3	IEC 60950-1:2005 + A1:2009 + A2:2013
		Limited Current Circuits Clause-2.4	IEC 60950-1:2005 + A1:2009 + A2:2013
		Limited Power Sources Clause 2.5	IEC 60950-1:2005 + A1:2009 + A2:2013
		Provisions for earthing and bonding Clause-2.6	IEC 60950-1:2005 + A1:2009 + A2:2013
		Over current and earth fault protection in primary circuits Clause-2.7	IEC 60950-1:2005 + A1:2009 + A2:2013
		Safety Interlocks Clause-2.8	IEC 60950-1:2005 + A1:2009 + A2:2013
		Electrical Insulation Clause- 2.9	IEC 60950-1:2005 + A1:2009 + A2:2013



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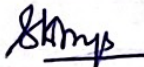
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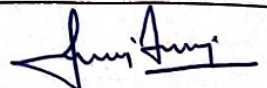
Validity: 11/12/2021 to 10/12/2024

Last Amended on: ----

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Information Technology Equipment –Safety Requirement	Humidity Conditioning Clause- 2.9.2	IEC 60950-1:2005 + A1:2009 + A2:2013
		Clearances, Creepage distances and distances through insulation Clause- 2.10	IEC 60950-1:2005 + A1:2009 + A2:2013
		Determination of working voltage Clause- 2.10.2	IEC 60950-1:2005 + A1:2009 + A2:2013
		General (Wiring, connections and Supply) Clause-3.1	IEC 60950-1:2005 + A1:2009 + A2:2013
		Connection to a mains supply Clause- 3.2	IEC 60950-1:2005 + A1:2009 + A2:2013
		Cord anchorages and strain relief Clause- 3.2.6	IEC 60950-1:2005 + A1:2009 + A2:2013
		Data port for additional equipment Clause- 3.5.4	IEC 60950-1:2005 + A1:2009 + A2:2013
		Stability Clause-4.1	IEC 60950-1:2005 + A1:2009 + A2:2013
		Steady Force test, 10 N Clause-4.2.2	IEC 60950-1:2005 + A1:2009 + A2:2013
		Steady Force test, 30 N Clause-4.2.3	IEC 60950-1:2005 + A1:2009 + A2:2013



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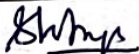
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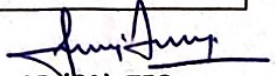
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Validity: **11/12/2021 to 10/12/2024**

Last Amended on: **----**

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Information Technology Equipment -Safety Requirement	Steady Force test, 250 N Clause- 4.2.4	IEC 60950-1:2005 + A1:2009 + A2:2013
		Impact test Clause- 4.2.5	IEC 60950-1:2005 + A1:2009 + A2:2013
		Drop Test Clause- 4.2.6	IEC 60950-1:2005 + A1:2009 + A2:2013
		Stress Relief test Clause- 4.2.7	IEC 60950-1:2005 + A1:2009 + A2:2013
		Design & Construction Clause- 4.3	IEC 60950-1:2005 + A1:2009 + A2:2013
		Edges and Corners Clause- 4.3.1	IEC 60950-1:2005 + A1:2009 + A2:2013
		Securing of Parts Clause- 4.3.4	IEC 60950-1:2005 + A1:2009 + A2:2013
		Direct Plug-in Equipment Clause- 4.3.6	IEC 60950-1:2005 + A1:2009 + A2:2013
		Protection against hazardous moving parts Clause- 4.4	IEC 60950-1:2005 + A1:2009 + A2:2013
		Thermal Requirement Clause- 4.5	IEC 60950-1:2005 + A1:2009 + A2:2013
		Resistance to abnormal heat Clause- 4.5.5	IEC 60950-1:2005 + A1:2009 + A2:2013


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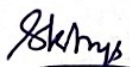
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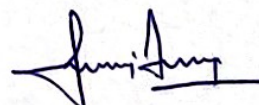
Validity: 11/12/2021 to 10/12/2024

Last Amended on: ----

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Information Technology Equipment –Safety Requirement	Opening in Enclosure Clause- 4.6	IEC 60950-1:2005 + A1:2009 + A2:2013
		Resistance to flame (Needle flame) Clause- 4.7	IEC 60950-1:2005 + A1:2009 + A2:2013
		Resistance to fire (Glow Wire Test) Clause- 4.7	IEC 60950-1:2005 + A1:2009 + A2:2013
		Touch current & Protective Conductor Current Clause- 5.1	IEC 60950-1:2005 + A1:2009 + A2:2013
		Electric Strength Clause- 5.2	IEC 60950-1:2005 + A1:2009 + A2:2013
		Abnormal Operating and Fault Condition Clause- 5.3	IEC 60950-1:2005 + A1:2009 + A2:2013
		Impulse Test on Telecom Network Clause- 6.2.2.1	IEC 60950-1:2005 + A1:2009 + A2:2013
		Voltage Surge test on Cable distribution System Clause- 7.4.2	IEC 60950-1:2005 + A1:2009 + A2:2013



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