



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

Perry Johnson Laboratory Accreditation, Inc. has assessed the Laboratory of:

Tecnolab del Lago Maggiore Srl
Via dell'Industria 20, 28924, Verbania (VB) Italy

(Hereinafter called the Organization) and hereby declares that Organization is accredited in accordance with the recognized International Standard:

ISO/IEC 17025:2017

This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (as outlined by the joint ISO-ILAC-IAF Communiqué dated April 2017):

Chemical, Electrical, Environmental, and Mechanical Testing
(As detailed in the supplement)

Accreditation claims for such testing and/or calibration services shall only be made from addresses referenced within this certificate. This Accreditation is granted subject to the system rules governing the Accreditation referred to above, and the Organization hereby covenants with the Accreditation body's duty to observe and comply with the said rules.

For PJLA:

Tracy Szerszen
President

Initial Accreditation Date:

October 05, 2019

Issue Date:

June 24, 2023

Expiration Date:

August 31, 2025

Revision Date

October 02, 2024

Accreditation No.:

89163

Certificate No.:

L23-494-R2

Perry Johnson Laboratory
Accreditation, Inc. (PJLA)
755 W. Big Beaver, Suite 1325
Troy, Michigan 48084

The validity of this certificate is maintained through ongoing assessments based on a continuous accreditation cycle. The validity of this certificate should be confirmed through the PJLA website: www.pjilabs.com



Certificate of Accreditation: Supplement

Tecnolab del Lago Maggiore S.r.l.

Via dell'Industria 20, 28924, Verbania (VB) Italy
 Contact Name: Sig. Michele Setaro Phone: 032-358-6514

Accreditation is granted to the facility to perform the following testing:

| FLEX CODE | FIELD OF TEST | ITEMS, MATERIALS, OR PRODUCTS TESTED | COMPONENT, CHARACTERISTIC, PARAMETER TESTED | SPECIFICATION OR STANDARD METHOD | TECHNOLOGY OR TECHNIQUE USED |
|-----------|-------------------------|--------------------------------------|--|---|--|
| F1, F4 | Chemical ^F | Steel | Chemical Composition: Carbon-Silicon- Manganese-Phosphorus-Sulfur-Chromium-Molybdenum Nickel-Niobium-Aluminum-Copper-Cobalt-Boron-Titanium-Vanadium-Tungsten-Tin-Lead-Calcium-Bismuth-Arsenic-Antimony-Zinc-Zirconium | Internal Method PP.0040 | Optical Emission Spectrometry (S-OES) |
| F1, F4 | | Copper and Copper Alloys | Chemical Composition Zinc-Lead-Tin-Phosphorus-Manganese-Iron-Nickel-Aluminum-Chromium-Sulfur-Beryllium-Cadmium-Cobalt-Magnesium-Boron-Bismuth-Arsenic-Silicon-Zirconium-Antimony-Tellurium | | |
| F1, F4 | | Aluminum and Aluminum Alloys | Chemical Composition Silicon-Iron-Copper-Manganese-Magnesium-Chromium-Zinc-Nickel-Titanium-Lead-Tin-Vanadium-Bismuth-Boron-Beryllium-Calcium-Cadmium-Cobalt-Strontium-Zirconium | Internal Method PP.0040 | Optical Emission Spectrometry (S-OES) |
| F1, F2 | | Metals | Lead Content | NSF ANSI CAN 372:2022 | Optical Emission Spectrometry (S-OES) |
| F1, F2 | | Metal Material | Dezincification Corrosion Resistance | AS 2345: 2006 (R2016) EN ISO 6509-1: 2014 | Caliper Conductimetry Microscope |
| F1, F2 | Mechanical ^F | Sanitary Tapware | Mechanical Properties | EN 200:2023 Cap. 4 Cap. 5 Cap. 6 Cap. 8 Cap. 9 Cap. 10 Cap. 11 Cap. 12 Cap. 14 | Caliper Hydraulic Press Torque Transducer Taps Primary Test Bench + Software Pressure Gauge Temperature Meter Flow Meter Sound Analyzer |



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|-----------|--|--------------------------------------|---|---|--|
| F1, F2 | Mechanical ^F | Sanitary Tapware | Mechanical Properties | EN 817:2008 Cap. 4 Cap. 5 Cap. 6 Cap. 8 Cap. 9 Cap. 10 Cap. 11 Cap. 12 Cap. 14 | Caliper Hydraulic Press Torque Transducer Taps Primary Test Bench + Software Pressure Gauge Temperature Meter Flow Meter Sound Analyzer |
| F1, F2 | EN 1111:2017 Cap. 7 Cap. 8 Cap. 9 Cap. 12 Cap. 13 Cap. 14 Cap. 15 Cap. 16 Cap. 17 | | | | |
| F1, F2 | EN 1112:2008 Cap. 6 Cap. 7 Cap. 8 Cap. 9 Cap. 10 Cap. 11 Cap. 12 Cap. 13 Cap. 14 | | | | |
| F1, F2 | EN 1113:2015 Cap. 4 Cap. 5 Cap. 6.2 Cap. 7 Cap. 8 Cap. 9 Cap. 10 | | | | |
| F1, F2 | EN 16145:2012 Cap. 6 Cap. 7 Cap. 8 Cap. 9 Cap. 10 Cap. 11 Cap. 13 Cap. 14 | | | | |



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|-----------|-------------------------|--------------------------------------|---|--|--|
| F1, F2 | Mechanical ^F | Sanitary Tapware | Mechanical Properties | EN 16146:2012 + A1:2014 Cap. 5 Cap. 6 Cap. 7 Cap. 8 Cap. 9 Cap. 10 | Caliper Hydraulic Press Torque Transducer Taps Primary Test Bench + Software Pressure Gauge Temperature Meter Flow Meter Sound Analyzer |
| F1, F2 | | | | AS 4032.1:2005 Cap. 1.7 Cap. 2 Cap. 4.3 + Appendix D Cap. 4.4 + Appendix E Cap. 4.5 + Appendix F Cap. 4.6 + Appendix G Cap. 4.7 + Appendix H Cap. 4.8 + Appendix I Cap. 4.9 + Appendix E Cap. 4.10 + Appendix J | |
| F1, F2 | | | | AS 4032.4:2014 Cap. 1.6 Cap. 2 Cap. 4.3 + Appendix C Cap. 4.4 + Appendix D Cap. 4.5 + Appendix E Cap. 4.6 + Appendix F Cap. 4.7 + Appendix C Cap. 4.8 + Appendix G Cap. 4.11 + Appendix I Cap. 4.12 + Appendix J + Appendix K Cap. 4.13 + Appendix L Cap. 4.14 + Appendix M Cap. 4.15 + Appendix N Cap. 4.16 | |
| F1, F2 | | | | AS 3662:2013 Cap. 5.1 + Appendix B + Appendix G Cap. 5.2 + Appendix C Cap. 5.3 + Appendix D Cap. 5.5 + Appendix E Cap. 5.6 Cap. 5.7 + Appendix F Cap. 6 | |



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|-----------|-------------------------|--------------------------------------|---|---|--|
| F1, F2 | Mechanical ^F | Sanitary Tapware | Mechanical Properties | AS 3718 : 2021 Cap 1.5 Cap 2 Cap 3 Cap 4.3 + Appendix C Cap 4.4 + Appendix D Cap 4.5 + Appendix E Cap 4.6 + Appendix F + Appendix O Cap 4.8 + Appendix G Cap 4.9 + Appendix H Cap 4.10 + Appendix I - Cap 4.11 + Appendix J + Appendix Q + Appendix R - Excluded Ch. Q.4.4 (c) Cap 4.12 + Appendix K - Cap 4.14 Cap 4.16 + Appendix P + Appendix M | Caliper Hydraulic Press Torque Transducer Taps Primary Test Bench + Software Pressure Gauge Temperature Meter Flow Meter Sound Analyzer |
| F1, F2 | | | | SASO 2655:2019 Clause 4.4 Clause 5.1 Clause 5.2 Clause 5.3 Excluded 5.3.3 and 5.3.7 Clause 5.4 Clause 5.5 Clause 5.6 Excluded 5.6.3.5 Clause 5.7 Clause 5.8 Clause 5.9 Clause 6 | Caliper Hydraulic Press Torque Transducer Taps Primary Test Bench + Software Pressure Gauge Temperature Meter Flow Meter Sound Analyzer |
| F1, F2 | | Sanitary Tapware and Valves | Mechanical Properties | NHS D08 2017_04_01 _D08_acc 2017-04 NHS Model engineering specifications - D 08:2015 | Caliper Hydraulic Press Torque Transducer Taps Primary Test Bench + Software Pressure Gauge Temperature Meter Flow Meter |
| F1, F2 | | | | EN 1717:2002 | Caliper Hydraulic Press Pressure Gauge Temperature Meter |



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|-----------|-------------------------|--------------------------------------|---|--|--|
| F1, F2 | Mechanical ^F | Sanitary Tapware and Valves | Mechanical Properties | TCS 1111.1 1112.1 1113.1 1111.5 1111.7 1211.2 1211.3 1211.5 1211.7 1315.1 1315.4 1412.1 1511.4 1611.5 1611.8 1611.11 2213.18 2213.19 5011.1 6001.1 | Caliper Hydraulic Press Torque Transducer Taps Primary Test Bench + Software Pressure Gauge Temperature Meter Flow Meter |
| F1, F2 | | | | 1211.3:1993 | Torque Transducer Taps Primary Test Bench + Software Pressure Gauge Temperature Meter Flow Meter |
| F1, F2 | | | | 1315.4:1993 | Torque Transducer Taps Primary Test Bench + Software |
| F1, F2 | | | | 1211.14:1993 | Torque Transducer Taps Primary Test Bench + Software Pressure Gauge Temperature Meter Flow Meter |
| F1, F2 | | | | 1211.19:2000 | Hydraulic Press Torque Transducer Taps Primary Test Bench + Software Pressure Gauge Temperature Meter Flow Meter |
| F1, F2 | | | | 1314.11:1994 | Caliper |
| F1, F2 | | | | 1314.12:1994 | Torque Transducer |
| F1, F2 | | | | 1314.13:1994 | Torque Transducer Taps Primary Test Bench + Software Pressure Gauge Temperature Meter Flow Meter |



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|-----------|-------------------------|--------------------------------------|---|--|--|--|
| F1, F2 | Mechanical ^F | Sanitary tapware and valves | Mechanical properties | 1314.14:1995 | Torque Transducer Taps Primary Test Bench + Software Pressure Gauge Temperature Meter Flow Meter | |
| F1, F2 | | | | 1314.15:2000 | | |
| F1, F2 | | | | NHS D08 2017_04_01 D08 acc 2017-04 | | Caliper Hydraulic Press |
| F1, F2 | | | | NHS Model engineering specifications - D 08:2015 | | |
| F1, F2 | | | | EN 1717:2002 | Caliper Hydraulic Press Pressure Gauge Temperature Meter | |
| F1, F2 | | | | Hydraulic properties | 1111.1:1993 | Hydraulic Press Pressure Gauge Temperature Meter |
| F1, F2 | | | 1111.6:1995 | | | |
| F1, F2 | | | 1112.1:1993 | | | |
| F1, F2 | | | 1113.1:1993 | | Taps Primary Test Bench + Software Pressure Gauge Temperature Meter Flow Meter | |
| F1, F2 | | | 1111.3:1993 | | | |
| F1, F2 | | | 1111.4:1991 | | | |
| F1, F2 | | | 1111.13:200 | | | |
| F1, F2 | | | 1111.14:2000 | | | Hydraulic Press Pressure Gauge Temperature Meter |
| F1, F2 | | | 1111.15:2000 | | | Taps Primary Test Bench + Software Pressure Gauge Temperature Meter Flow Meter |
| F1, F2 | | | 1111.16:2000 | | | Hydraulic Press Taps Primary Test Bench + Software Pressure Gauge Temperature Meter Flow Meter |
| F1, F2 | | | 1111.17:2000 | Hydraulic Press Pressure Gauge Temperature Meter | | |



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|-----------|-------------------------|--------------------------------------|---|----------------------------------|--|--|-------------------|
| F1, F2 | Mechanical ^F | Sanitary tapware and valves | Hydraulic properties | 1111.18:2000 | Hydraulic Press Pressure Gauge Temperature Meter | | |
| F1, F2 | | | | 1112.3:2000 | | | |
| F1, F2 | | | | 1112.15:2000 | | | |
| F1, F2 | | | | 1211.8:2000 | Torque Transducer Taps Primary Test Bench + Software Pressure Gauge Temperature Meter Flow Meter | | |
| F1, F2 | | | | 1211.22:2000 | Hydraulic Press Pressure Gauge Temperature Meter | | |
| F1, F2 | | | | 1312.11:2000 | Taps Primary Test Bench + Software Pressure Gauge Temperature Meter Flow Meter | | |
| F1, F2 | | | | 1312.14:2000 | | | |
| F1, F2 | | | | 1313.7:2000 | | | |
| F1, F2 | | | | 1314.1:1996 | | | |
| F1, F2 | | | | 1314.7:1994 | | | |
| F1, F2 | | | | 1511.1:2000 | | | |
| F1, F2 | | | | 2211.2:1990 | | Caliper Taps Primary Test Bench + Software Pressure Gauge Temperature Meter Flow Meter | |
| F1, F2 | | | | 2212.9:2000 | | | |
| F1, F2 | | | | 2212.10:2000 | | | |
| F1, F2 | | | | 2212.11:2000 | | | |
| F1, F2 | | | | 2212.12:2000 | | | |
| F1, F2 | | | | 2213.8:2000 | Caliper Hydraulic Press Torque Transducer Taps Primary Test Bench + Software Pressure Gauge Temperature Meter Flow Meter | | |
| F1, F2 | | | | Visual inspection | Visual inspection | 1411.2:1998 | Visual inspection |
| F1, F2 | | | | | | 6001.1:2000 | |
| F1, F2 | | | | | | 1411.2:1998 | |
| F1, F2 | | | | | | 2213.5:1994 | |
| F1, F2 | | | | | | 2213.7:2000 | |
| F1, F2 | | | | | | 2213.10:2000 | |
| F1, F2 | | | | | | 2213.11:2000 | |
| F1, F2 | | | | | | 1611.14:1994 | |



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|-----------|---|---|--|--|--|
| F1, F2 | Mechanical ^F | Sanitary tapware and valves | Dimensional properties | 1611.5:1994 | Caliper |
| F1, F2 | | | | 2213.18:2000 | |
| F1, F2 | | | | 2213.19:2000 | |
| F1, F2 | | | Corrosion | 1411.1:1998 | pH meter Conductimetry |
| F1, F2 | | | Corrosion protection | 1412.1:1998 | Salt Spray Chamber pH meter Conductimetry |
| F1, F2 | Mechanical, Electrical and Electronic Equipment | | Shock Dynamic acceleration: | CEI EN 60068-2-27:2012, EN 60068-2-27:2009, IEC 60068-2-27:2008 | Vibrational shaker and controller |
| F1, F2 | | | Vibration, broadband random and guidance Dynamic acceleration: | CEI EN 60068-2-64:2020, EN 60068-2-64:2008/A1:2020, IEC 60068-2-64:2008/A1:2019 | |
| F1, F2 | | | Vibration (sinusoidal) Dynamic acceleration: | CEI EN 60068-2-6:2009, EN 60068-2-6:2008, IEC 60068-2-6:2007 | |
| F1, F2 | | Railway Applications Rolling stock Equipment | Shock and vibration tests | CEI EN 61373:2012, EN 61373:2010, IEC 61373:2010 | |
| F1, F2 | Acoustic ^F | Sanitary Tapware | Acoustic properties | EN ISO 3822-1:1999/A1:2008 + EN ISO 3822-2:1995 + EN ISO 3822-4:1997 | Temperature Meter Flow Meter Sound Analyzers |
| F1, F2 | | Building Valves | | EN ISO 3822-1:1999/A1:2008 + EN ISO 3822-3:2018 | |
| F1, F2 | Environmental ^F | Environmental Testing on Mechanical Apparatus Electrical Apparatus and Sanitary Tapware | Salt Spray Test | ISO 9227:2022 Excluded Par 5.2.3. and 5.2.4 + EN ISO 10289:2001 EN 248:2002 IEC 60068-2-11:2021 ASTM B 117-19 | Salt Spray Chamber pH meter Conductimetry |
| F1, F2 | | Non Heat-Dissipating and Heat Dissipating Specimens | Climatic Test Change of temperature | CEI EN 60068-2-1:2007; CEI EN 60068-2-2:2008; CEI EN 60068-2-14:2023; – Excluded Par 9 Nc CEI EN 60068-2-30:2006; IEC 60068-2-38:2021; CEI EN 60068-2-78:2013 | Climatic chamber |



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|-----------|-------------------------|--|---|--|---|
| F1, F2 | Electrical ^F | Household and Similar Electrical Appliances – Safety –Part 1: General Requirements; | Leakage current and touch current | IEC 60335-1:2020 / ISH1: 2021 / COR1: 2021 /, Clause 13.2 and 16.2; EN IEC 60335-1: 2023 / A11: 2023 | Multifunction instrument for electrical measurement |
| F1, F2 | | Safety of Machinery - Electrical Equipment of Machines - Part 1: General Requirements; | | IEC 60204-1: 2016 / AMD1:2021; Clause 8.2.6; EN 60204-1:2018; | |
| F1, F2 | | Audio/video, Information and Communication Technology Equipment Part 1: Safety Requirements | | IEC 62368-1: 2023; Clause 5.7.2.1; EN IEC 62368-1: 2024/A11: 2024 | |
| F1, F2 | | Medical Electrical Equipment - Part 1: General Requirements for Basic Safety and Essential Performance | | IEC 60601-1:2005/AMD1:2012/AMD2:2020; Clause 8.7.4.5 and 8.7.4.6; EN 60601-1:2006 / A1:2013 / AC:2014/ A12:2014 /A2:2021/A13:2023 | |
| F1, F2 | | Household and Similar Electrical Appliances – Safety –Part 1: General Requirements; | Electric strength | IEC 60335-1:2020 /ISH1: 2021 / COR1: 2021; Clause 13.3 and 16.3 EN IEC 60335-1: 2023 / A11: 2023 | |
| F1, F2 | | Safety of Machinery - Electrical Equipment of Machines - Part 1: General Requirements; | | IEC 60204-1: 2016 / AMD1:2021; Clause 18.4; EN 60204-1:2018; | |
| F1, F2 | | Luminaires - Part 1: General Requirements and Tests | | IEC 60598-1:2020 Clause 10.2.2; EN IEC 60598-1:2021 / A11 : 2022 | |
| F1, F2 | | Lamp Controlgear - Part 1: General and Safety Requirements | | IEC 61347-1:2015 / AMD1:2017; Clause 12; EN 61347-1:2015 / A1:2021;; | |
| F1, F2 | | LED Modules for General Lighting - Safety specifications | | IEC 62031: 2018 / AMD1: 2021; Clause 11 EN IEC 62031:2020 A11:2021; | |
| F1, F2 | | Audio/video, Information and Communication Technology Equipment Part 1: Safety Requirements | | IEC 62368-1: 2023; Clause 5.4.9.1; EN IEC 62368-1: 2024/A11: 2024 | |



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|-----------|-------------------------|--|---|--|---|---|
| F1, F2 | Electrical ^F | Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory use - Part 1: General Requirements | Electric strength | IEC 61010-1:2010 /AMD1:2016; Clause 6.7.2.2.1; EN 61010-1:2010 / A1:2019 / AC:2019 | Multifunction instrument for electrical measurement | |
| F1, F2 | | Medical Electrical Equipment - Part 1: General Requirements for Basic Safety and Essential Performance | | IEC 60601-1:2005/AMD1:2012/AMD2:2020; Clause 8.8.3; EN 60601-1: 2006 / A1:2013 / AC:2014/ A12:2014 /A2:2021/A13:2023 | | |
| F1, F2 | | Safety of Machinery - Electrical Equipment of Machines - Part 1: General Requirements; | Insulation resistance | IEC 60204-1: 2016 / AMD1:2021; Clause 18.3; EN 60204-1:2018; | | |
| F1, F2 | | Luminaires - Part 1: General Requirements and Tests | | IEC 60598-1:2020 Clause 10.2.1; EN IEC 60598-1:2021 / A11 : 2022 | | |
| F1, F2 | | Lamp Control gear - Part 1: General and Safety Requirements | | IEC 61347-1:2015 / AMD1:2017; Clause 11; EN 61347-1:2015 / A1:2021;; | | |
| F1, F2 | | LED Modules for General Lighting - Safety specifications | | IEC 62031: 2018 / AMD1: 2021; Clause 10; EN IEC 62031:2020 A11:2021; | | |
| F1, F2 | | Audio/video, Information and Communication Technology Equipment Part 1: Safety Requirements | | IEC 62368-1: 2023; Clause 5.4.10.3; EN IEC 62368-1: 2024/A11: 2024 | | |
| F1, F2 | | Household and Similar Electrical Appliances – Safety –Part 1: General Requirements; | | Earthing conductor resistance | | IEC 60335-1:2020 / ISH1: 2021 / COR1: 2021 /, Clause 27.5; EN IEC 60335-1: 2023 / A11: 2023 |
| F1, F2 | | Safety of Machinery - Electrical Equipment of Machines - Part 1: General Requirements; | | | | EN 60204-1:2018; Clause 18.2.2; IEC 60204-1: 2016 / AMD1:2021; |
| F1, F2 | | Luminaires - Part 1: General Requirements and Tests | IEC 60598-1:2020 Clause 7.2.3; EN IEC 60598-1:2021 / A11 : 2022 | | | |



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|-----------|-------------------------|--|---|---|---|--|
| F1, F2 | Electrical ^F | Lamp Controlgear - Part 1: General and Safety Requirements | Earthing conductor resistance | IEC 61347-1:2015 / AMD1:2017; Clause 9.1; EN 61347-1:2015 / A1:2021; | Multifunction instrument for electrical measurement | |
| F1, F2 | | LED Modules for General Lighting - Safety specifications | | IEC 62031: 2018 / AMD1: 2021; Clause 8; EN IEC 62031:2020 A11:2021; | | |
| F1, F2 | | Audi/video, Information and Communication Technology Equipment Part 1: Safety Requirements | | IEC 62368-1: 2023; Clause 5.6.4.1 ; EN IEC 62368-1: 2024/A11: 2024 | | |
| F1, F2 | | Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory use - Part 1: General Requirements | | IEC 61010-1:2010 /AMD1:2016; Clause 6.5.2.4; EN 61010-1:2010 / A1:2019 / AC:2019 ; | | |
| F1, F2 | | Medical Electrical Equipment - Part 1: General Requirements for Basic Safety and Essential Performance | | IEC 60601-1:2005/AMD1:2012/AMD2:2020; Clause 8.6.4; EN 60601-1:2006 / A1:2013 / AC:2014/ A12:2014 /A2:2021/A13:2023 | | |
| F1, F2 | | Household and Similar Electrical Appliances – Safety –Part 1: General Requirements | | Power/current absorption | | IEC 60335-1:2020 / ISH1: 2021 / COR1: 2021 /, Clause 10;; EN IEC 60335-1: 2023 / A11: 2023 |
| F1, F2 | | Safety of Machinery - Electrical Equipment of Machines - Part 1: General Requirements | | | | IEC 60204-1: 2016 / AMD1:2021; Clause 4.3; EN 60204-1:2018; |
| F1, F2 | | Audi/video, Information and Communication Technology Equipment Part 1: Safety Requirements | | | | IEC 62368-1: 2023; ANNEX B2.5; EN IEC 62368-1: 2024/A11: 2024 |
| F1, F2 | | Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory use - Part 1: General Requirements | | | | IEC 61010-1:2010 /AMD1:2016; Clause 5.1.3; EN 61010-1:2010 / A1:2019 / AC:2019 ; |



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|-----------|---|--|---|---|---|
| F1, F2 | Electrical ^F | Medical Electrical Equipment - Part 1: General Requirements for Basic Safety and Essential Performance | Power/current absorption | IEC 60601-1:2005/AMD1:2012/AMD2:2020; Clause 4.11; EN 60601-1:2006 / A1:2013 / AC:2014/ A12:2014 /A2:2021; | Multifunction instrument for electrical measurement |
| F1, F2 | | Audi/video, Information and Communication Technology Equipment Part 1: Safety Requirements | | IEC 62368-1: 2023; Clause Annex V.1.3 Test probe V2; EN IEC 62368-1: 2024/A11: 2024 | |
| F1, F2 | | Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory use - Part 1: General Requirements | | IEC 61010-1:2010 /AMD1:2016; Clause 6.2.2; EN 61010-1:2010 / A1:2019 / AC:2019 ; | |
| F1, F2 | | Medical Electrical Equipment - Part 1: General Requirements for Basic Safety and Essential Performance | | IEC 60601-1:2005/AMD1:2012/AMD2:2020; Clause 5.9.2.1; EN 60601-1:2006 / A1:2013 / AC:2014/ A12:2014 /A2:2021/A13:2023 | |
| F1, F2 | | LED Modules for General Lighting - Safety specifications | | IEC 62031: 2018 / AMD1: 2021; Clause 9; EN IEC 62031:2020 A11:2021; | |
| F1, F2 | | Household and Similar Electrical Appliances – Safety –Part 1: General Requirements; | | Climatic test | |
| F1, F2 | Safety of machinery - Electrical equipment of machines - Part 1: General requirements | IEC 60204-1: 2016 / AMD1:2021; Clause 4.4.4; EN 60204-1:2018; | | | |



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|-----------|-------------------------|---|---|--|--|
| F1, F2 | Electrical ^F | Luminaires | Climatic test | IEC 60598-1:2020 Clause 9.3.1; EN IEC 60598-1:2021 / A11 : 2022 | Climatic chamber |
| F1, F2 | | Lamp Controlgear | | IEC 61347-1:2015 / AMD1:2017; Clause 11; EN 61347-1:2015 / A1:2021; | |
| F1, F2 | | LED Modules for General Lighting | | IEC 62031: 2018 / AMD1: 2021; Clause 10; EN IEC 62031:2020 A11:2021; | |
| F1, F2 | | Audi/video, Information and Communication Technology Equipment | | IEC 62368-1: 2023; Clause 5.4.8; EN IEC 62368-1: 2024/A11: 2024. | |
| F1, F2 | | Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory use | | IEC 61010-1:2010 /AMD1:2016; Clause 6.8.2; EN 61010-1:2010 / A1:2019 / AC:2019 | |
| F1, F2 | | Medical Electrical Equipment | | IEC 60601-1:2005/AMD1:2012/AMD2:2020; Clause 5.7; EN 60601-1:2006 / A1:2013 / AC:2014/ A12:2014 /A2:2021/A13:2023 | |
| F1, F2 | | Automatic Electrical Controls | | IEC 60730-1:2022, Clause 12.2.8; EN 60730-1:2016 / A1:2019 / A2: 2022 | |
| F1, F2 | Electrical ^F | Household appliances, electric tools and similar apparatus | Radiated emission, Conducted and click emission | EN IEC 55014-1: 2021 CIPSPR 14-1: 2020 | Semi-anechoic chamber EMI Test Receiver Biconical antenna Log-periodical antenna Horn antenna Coaxial cables Pre-amplifier LISN Attenuator Antenna mast Turn table Controller Polystyrene table |



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|-----------|-------------------------|--|--|---|--|
| F1, F2 | Electrical ^F | Household appliances, electric tools and similar apparatus | ESD up to 8 kV Burst and fast transient up to 4 kV Surge up to 4 kV RF current 0.15-230 MHz with level up to 3V Electromagnetic fields up to 3 V/m and 80 MHz – 6 GHz Immunity to dips and voltage variations from 10 ms to 5 s | EN IEC 55014-2: 2021 CISPR 14-2:2020 | ESD simulator BURST and SURGE generator Capacitive clamp Signal disturbance generator Coaxial cable Attenuator EM Clamp Coupling and decoupling networks Semi-anechoic chamber Signal generator Bi-logperiodical antenna Horn antenna Coaxial cable Signla amplifier Power meter Electrical stress sensor Attenuator Controller AC power Phase motor driven AC source Power fail generator |
| F1, F2 | | Electric and electronic equipment for residential, commercial and light-industrial environmental | Radiated emission 30 MHz – 6 GHz Conducted and click emission 0.15-30 MHz Harmonics on power line Flicker on power line | EN IEC 61000-6-3: 2021 IEC 61000-6-3: 2020 | Semi-anechoic chamber EMI Test Receiver Biconical antenna Log-periodical antenna Horn antenna Coaxial cables Pre-amplifier LISN Attenuator Antenna mast Turn table Controller Polystyrene table AC power |
| F1, F2 | | | ESD up to 8 kV Burst and fast transient up to 4 kV Surge up to 4 kV RF current 0.15-80 MHz with level up to 3V Electromagnetic fields up to 3 V/m for 80 MHz – 6 GHz Magnetic field with level 3 A/m Immunity to dips and voltage variations from 10 ms to 5 s | EN IEC 61000-6-1: 2019 IEC 61000-6-1: 2016 | ESD simulator BURST and SURGE generator Capacitive clamp Signal disturbance generator Coaxial cable Attenuator EM Clamp Coupling and decoupling networks Semi-anechoic chamber Signal generator Bi-logperiodical antenna Horn antenna Coaxial cable Signla amplifier Power meter Electrical stress sensor Attenuator Controller Power test generator Induction coil AC power Phase motor driven AC source Power fail generator |
| F1, F2 | | | Radiated emission 30 MHz – 6 GHz Conducted and click emission 0.15-30 MHz Harmonics on power line Flicker on power line | EN IEC 61000-6-4: 2019 IEC 61000-6-4: 2018 | Semi-anechoic chamber EMI Test Receiver Biconical antenna Log-periodical antenna Horn antenna Coaxial cables Pre-amplifier LISN Attenuator Antenna mast Turn table Controller Polystyrene table |



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|-----------|-------------------------|--|--|---|--|
| F1, F2 | Electrical ^F | Electric and electronic equipment for residential, commercial and light-industrial environmental | ESD up to 8 kV Burst and fast transient up to 4 kV Surge up to 4 kV RF current 0.15-80 MHz with level up to 10V Electromagnetic fields up to 10 V/m for 80 MHz – 1 GHz and up to 3V/m for 1-6 GHz Magnetic field with level 30 A/m Immunity to dips and voltage variations from 10 ms to 5 s | EN IEC 61000-6-2: 2019 IEC 61000-6-2: 2016 | ESD simulator BURST and SURGE generator Capacitive clamp Signal disturbance generator Coaxial cable Attenuator EM Clamp Coupling and decoupling networks Semi-anechoic chamber Signal generator Bi-logperiodical antenna Horn antenna Coaxial cable Signal amplifier Power meter Electrical stress sensor Attenuator Controller Power test generator Induction coil AC power Phase motor driven AC source Power fail generator |
| F1, F2 | | Multimedia and ITE equipment | Radiated emission 30 MHz – 6 GHz Conducted emission 0.15-30 MHz | EN 55032: 2015 / AC: 2016 / A11: 2020 / A1: 2021 CISPR 32: 2015 / AMD1: 2019 | Semi-anechoic chamber EMI Test Receiver Biconical antenna Log-periodical antenna Horn antenna Coaxial cables Pre-amplifier LISN Attenuator Antenna mast Turn table Controller Polystyrene table |
| F1, F2 | | | ESD up to 8 kV Burst and fast transient up to 4 kV Surge up to 4 kV RF current 0.15-80 MHz with level up 3V Electromagnetic fields up to 3 V/m for 80 MHz – 5 GHz Magnetic field with level 1 A/m Immunity to dips and voltage variations from 10 ms to 5 s | EN 55035: 2017 / A11:2020 CISPR 35: 2016 | ESD simulator BURST and SURGE generator Capacitive clamp Signal disturbance generator Coaxial cable Attenuator EM Clamp Coupling and decoupling networks Semi-anechoic chamber Signal generator Bi-logperiodical antenna Horn antenna Coaxial cable Signal amplifier Power meter Electrical stress sensor Attenuator Controller Power test generator Induction coil AC power Phase motor driven AC source Power fail generator |
| F1, F2 | | Electrical lighting and similar equipment | Radiated emission 30 MHz – 1 GHz Conducted emission 0.15-30 MHz | EN IEC 55015: 2019 / A11: 2020 CISPR 15: 2018 / ISH1: 2019 | Semi-anechoic chamber EMI Test Receiver Biconical antenna Log-periodical antenna Coaxial cables LISN Attenuator Antenna mast Turn table Controller Polystyrene table |



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|-----------|-------------------------|--|---|--|---|
| F1, F2 | Electrical ^F | Electrical lighting and similar equipment | ESD up to 15 kV Burst and fast transient up to 4 kV Surge up to 4 kV RF current 0.15-80 MHz with level up to 3V Electromagnetic fields up to 3 V/m for 80 MHz – 1 GHz Magnetic field with level 3 A/m Immunity to dips and voltage variations from 10 ms to 5 s | EN IEC 61547: 2023 IEC 61547: 2023 | ESD simulator BURST and SURGE generator Capacitive clamp Signal disturbance generator Coaxial cable Attenuator EM Clamp Coupling and decoupling networks Semi-anechoic chamber Signal generator Bi-logperiodical antenna Horn antenna Coaxial cable Signal amplifier Power meter Electrical stress sensor Attenuator Controller Power test generator Induction coil AC power Phase motor driven AC source Power fail generator |
| F1, F2 | | Electromedical equipment | Radiated emission 30 MHz – 1 GHz Conducted emission 0.15-30 MHz ESD up to 15 kV Burst and fast transient up to 4 kV Surge up to 4 kV RF current 0.15-80 MHz with level up to 3V Electromagnetic fields up to 10 V/m for 80 MHz – 2.7 GHz Magnetic field with level 30 A/m Immunity to dips and voltage variations from 10 ms to 5 s | EN 60601-1-2: 2015 / A1: 2021 IEC 60601-1-2: 2014 / A1: 2020 | Semi-anechoic chamber EMI Test Receiver Biconical antenna Log-periodical antenna Horn antenna Coaxial cables Pre-amplifier LISN Attenuator Antenna mast Turn table Controller Polystyrene table ESD simulator BURST and SURGE generator Capacitive clamp Signal disturbance generator Coaxial cable Attenuator EM Clamp Coupling and decoupling networks Signal generator Bi-logperiodical antenna Horn antenna Coaxial cable Signal amplifier Power meter Electrical stress sensor Power test generator Induction coil AC power Phase motor driven AC source Power fail generator |
| F1, F2 | | Electrical lighting and similar equipment | Visual and documental examination from Par. 4 to 8.10 | EN 60601-1-2: 2015 / A1: 2021 IEC 60601-1-2: 2014 / A1: 2020 | Visual examination |
| F1, F2 | | Industrial, scientific and medical equipment | Radiated emission 30 MHz – 1 GHz Conducted emission 0.15-30 MHz | EN 55011: 2016 / A1: 2017 / A11: 2020 / A2: 2022 CISPR 11: 2015 / AMD1: 2016 / AMD2: 2019 CISPR 11: 2024 | Semi-anechoic chamber EMI Test Receiver Biconical antenna Log-periodical antenna Coaxial cables LISN Attenuator Antenna mast Turn table Controller Polystyrene table |



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|-----------|-------------------------|--|---|---|---|
| F1, F2 | Electrical ^F | Electrical equipment for measurement, control and laboratory use | Radiated emission 30 MHz – 1 GHz Conducted emission 0.15-30 MHz ESD up to 8 kV Burst and fast transient up to 4 kV Surge up to 4 kV RF current 0.15-80 MHz with level up to 3V Electromagnetic fields up to 10 V/m for 80 MHz – 1 GHz and up to 3V/m for 1.4 – 6 GHz Magnetic field with level 30 A/m Immunity to dips and voltage variations from 10 ms to 5 s | EN IEC 61326-1: 2021 IEC 61326-1: 2020 | Semi-anechoic chamber EMI Test Receiver Biconical antenna Log-periodical antenna Horn antenna Coaxial cables Pre-amplifier LISN Attenuator Antenna mast Turn table Controller Polystyrene table ESD simulator BURST and SURGE generator Capacitive clamp Signal disturbance generator Coaxial cable Attenuator EM Clamp Coupling and decoupling networks Signal generator Bi-logperiodical antenna Horn antenna Coaxial cable Signal amplifier Power meter Electrical stress sensor Power test generator Induction coil AC power Phase motor driven AC source Power fail generator |
| F1, F2 | | Information Technology Equipment (including digital apparatus) | Radiated emission 30 MHz – 18 GHz Conducted emission 0.15-30 MHz Marking requirement | ICES-003 Isse 7: 2020 | Semi-anechoic chamber EMI Test Receiver Biconical antenna Log-periodical antenna Horn antenna Coaxial cables Pre-amplifier LISN Attenuator Antenna mast Turn table Controller Polystyrene table AC power |
| F1, F2 | | Radio frequency devices / Unintentional radiator | Radiated emission 30 MHz – 18 GHz Conducted emission 0.15-30 MHz | ANSI C63.4: 2014 ANSI C63.4a: 2017 FCC CFR 47 – Part 15 Subpart B | Semi-anechoic chamber EMI Test Receiver Biconical antenna Log-periodical antenna Horn antenna Coaxial cables Pre-amplifier LISN Attenuator Antenna mast Turn table Controller Polystyrene table AC power |
| F1, F2 | | | Marking verification | FCC CFR 47 – Part 15 subpart A | Visual examination |
| F1, F2 | | Lift, moving walks and escalators | Radiated emission 30 MHz – 1GHz Conducted emission 0.15-30 MHz | EN 12015: 2020 UNI EN 12015: 2020 | Semi-anechoic chamber EMI Test Receiver Biconical antenna Log-periodical antenna Horn antenna Coaxial cables Pre-amplifier LISN Attenuator Antenna mast Turn table Controller Polystyrene table |



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|-----------|-------------------------|---|--|--|--|
| F1, F2 | Electrical ^F | Lift, moving walks and escalators | ESD up to 15 kV Burst and fast transient up to 4 kV Surge up to 4 kV RF current 0.15-80 MHz with level up to 10V Electromagnetic fields up to 10 V/m for 80 MHz – 2.7 GHz Immunity to dips and voltage variations from 10 ms to 5 s | EN 12016: 2013 UNI EN 12016: 2013 | ESD simulator BURST and SURGE generator Capacitive clamp Signal disturbance generator Coaxial cable Attenuator EM Clamp Coupling and decoupling networks Semi-anechoic chamber Signal generator Bi-logperiodical antenna Horn antenna Coaxial cable Signla amplifier Power meter Electrical stress sensor Attenuator Controller Power test generator Induction coil AC power AC power Phase motor driven AC source Power fail generator |
| F1, F2 | | Electromedical equipment, residential, commercial and industrial equipment, information technology, lighting equipment, household appliances, lift, moving walks and escalators | Radiated emission measurement test From 30 MHz to 18 GHz | EN 55016-2-3: 2017 / A1: 2019 / A2: 2023 CISPR 16-2-3: 2016 / AMD1: 2019 / AMD2: 2023 | Semi-anechoic chamber EMI Test Receiver Biconical antenna Log-periodical antenna Horn antenna Coaxial cables Pre-amplifier Antenna mast Turn table Controller Polystyrene table |
| F1, F2 | | | Conducted emission measurement test From 9 kHz to 30 MHz | EN 55016-2-1: 2014 / A1: 2017 / AC: 2020 CISPR 16-2-1: 2014 / AMD1: 2017 / COR1: 2020 | Semi-anechoic chamber EMI Test Receiver Coaxial cables LISN Attenuator |
| F1, F2 | | | Harmonic current emissions From 50 to 2000 Hz / Max current 16 A | EN IEC 61000-3-2: 2019 / A1: 2021 IEC 61000-3-2: 2018 / AMD1: 2020 / ISH1: 2021 / AMD2: 2024 | Harmonic and flicker analyzer AC power |
| F1, F2 | | | Flicker measurement (parameters pst, plt, dt, dc, dmax) From 50 to 2000 Hz / Max current 16 A | EN 61000-3-3: 2013 / A1: 2029 / A2: 2021 / AC: 2022 IEC 61000-3-3: 2013 / AMD1: 2017 / AMD2: 2021 / COR: 2022 | Harmonic and flicker analyzer AC power |



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| F1, F2 | Electrical ^F | Electromedical equipment, residential, commercial and industrial equipment, information technology, lighting equipment, household appliances, lift, moving walks and escalators | Electrostatic air discharge up to ± 30 kV and electrostatic contact discharge up to ± 8 kV | EN 61000-4-2: 2009 IEC 61000-4-2;:2008 | ESD simulator |
| F1, F2 | Immunity to the electromagnetic field radiated with radiofrequency From 80 to 1000 MHz test level up to 10V/m From 1 to 2.7 GHz test level up to 10V/m From 2.7 to 6 GHz test level up to 3V/m | | EN IEC 61000-4-3: 2020 IEC 61000-4-3: 2020 | Semi-anechoic chamber Signal generator Bi-logperiodical antenna Horn antenna Coaxial cable Signal amplifier Power meter Electrical stress sensor Attenuator Controller | |
| F1, F2 | Immunity to burst/fast transients up to 4 kV, with frequency repetition 5 or 100 kHz | | EN 61000-4-4: 2012 IEC 61000-4-4: 2012 | BURST generator Capacitive clamp | |
| F1, F2 | Immunity to surge up to 4kV | | EN 61000-4-5: 2014 / A1: 2017 IEC 61000-4-5: 2014 / A1: 2017 | SURGE Generator | |
| F1, F2 | Immunity to conducted disturbances RF currents from 150 kHz to 230 MHz Voltage level up to 10V | | EN IEC 61000-4-6: 2023 IEC 61000-4-6: 2023 | Signal disturbance generator Coaxial cable Attenuator EM Clamp Coupling and decoupling networks | |
| F1, F2 | Immunity to magnetic fields Up to 100 A/m | | EN 61000-4-8: 2010 IEC 61000-4-8: 2009 | Power test generator Induction coil AC power | |
| F1, F2 | Immunity to dips and voltage variations Immunity to 0%; 40%;70%; 80% voltage dips and variation from 10 ms to 5 s Maximum voltage: 260Vac / 50-60Hz | | EN IEC 61000-4-11: 2020 / AC: 2020 / AC : 2022 IEC 61000-4-11 : 2020 / COR1 : 2020 | AC power Phase motor driven AC source Power fail generator | |



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|-----------|-------------------------|---|--|--|------------------------------|
| F1, F2 | Electrical ^F | Safety of machinery Electrical equipment of machines – | Visual examination 18.2 Verification of conditions for protection by automatic disconnection of supply (only: 18.2.3) | EN 60204-1:2018; IEC 60204-1:2016 AMD1:2021 | Visual examination |
| F1, F2 | | Luminaires | Visual examination 4. Construction (only: 4.4.1, 4.4.2, 4.4.3, 4.4.6, 4.4.9, 4.4.10, 4.7.5, 4.8, 4.10.1, 4.11.1, 4.11.2, 4.11.5, 4.14.4, 4.14.5, 4.19, 4.25, 4.27) 5. EXTERNAL AND INTERNAL WIRING (only: 5.2.9, 5.2.12, 5.2.18) 7. PROVISION FOR EARTHING (only: 7.2.10, 7.2.11) 14. SCREW TERMINALS (only: 14.4.3, 15.5.2.2.3, 15.6.3.2.5) | IEC 60598-1:2020; EN IEC 60598-1:2021 / A11 : 2022 | |
| F1, F2 | | | Visual examination 2.6 Marking 2.12 Protection against Electric shock | IEC 60598-2-2:2011; EN 60598-2-2: 2023 EN IEC 60598-2-2: 2024 | |
| F1, F2 | | Luminaires for road and street Lighting | Visual examination 3.5 Marking 3.6 Construction (only: 3.6.4) | IEC 60598-2-3:2002 /AMD1:2011 EN 60598-2-3:2003/ corrigendum:2005/A1:2011 | |
| F1, F2 | | Portable General Purpose luminaires | Visual examination 4.6 Marking 4.7 Construction (only: 4.7.1, 4.7.2, 4.7.4, 4.7.5, 4.7.7, 4.7.8) 4.11 External and Internal Wiring (only: 4.11.4) | IEC 60598-2-4:2017; EN 60598-2-4:2018 | |
| F1, F2 | | Floodlight luminaires | Visual examination 5.5 Marking | IEC 60598-2-5:2015; EN 60598-2-5: 2015 | |



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|-----------|-------------------------|---|--|--|------------------------------|
| F1, F2 | Electrical ^F | Handlamp luminaires | Visual examination 8.6 Marking 8.11 External and Internal wiring (only: 8.11.1, 8.11.3, 8.11.5) | IEC 60598-2-8:2013; EN 60598-2-8: 2013; | Visual examination |
| F1, F2 | | Lighting chain luminaires | Visual examination 20.6 Marking 20. Construction (only: 20.7.2) | IEC 60598-2-20: 2022; EN 60598-2-20: 2015 / AC:2017; | |
| F1, F2 | | Emergency Lighting luminaires | Visual examination 22.6 Marking 22.7 Construction (only: 22.7.1, 22.7.6, 22.7.10, 22.11.1, 22.17.4) | IEC 60598-2-22:2021; EN 60598-2-22:2014 /A1:2020 /AC:2015 /AC:2016; | |
| F1, F2 | | Household and Similar Electrical Appliances | Visual examination 7. Marking and instructions (excluded: 7.12.3, 7.14) 22. Construction (only: 22.4, 22.10, 22.14, 22.15, 22.19, 22.21, 22.22, 22.23, 22.25, 22.28, 22.29, 22.33, 22.36, 22.38, 22.39, 22.40, 22.41, 22.44, 22.49, 22.51, 22.52, 22.56, 22.58, 22.60, 22.61) 23. Internal wiring (only: 23.1, 23.7, 23.8, 23.9) 24. Componentets (only: 24.2) 25. Supply connection and external flexible cords (only: 25.1, 25.5, 25.6, 25.9, 25.11, 25.12, 25.18, 25.19) 26. Terminals for external conductors (only: 26.7, 26.8) 27. Provision for earthing (only: 27.1) 28. Screws and connections (only: 28.2, 28.3) | IEC 60335-1:2020 / ISH1: 2021 / COR1: 2021 /, EN IEC 60335-1: 2023 / A11: 2023 | |



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|-----------|-------------------------|--|--|--|------------------------------|
| F1, F2 | Electrical ^F | Household and similar electrical appliances - electric irons | Visual examination 7. Marking 22. Construction (only: 22.101, 22.103, 22.107) 24. Components (only: 24.101) | IEC 60335-2-3:2022 EN 60335-2-3:2016/ A1:2020; | Visual examination |
| F1, F2 | | Household and Similar Electrical Appliances - Appliances for Heating liquids | Visual examination 7. Marking 22. Construction (only: 22.107, 22.112, 22.113, 22.114) 25. Supply connection and external flexible cords (only: 25.22) | IEC 60335-2-15:2012 / AMD1:2016 / AMD2:2018; EN 60335-2-15:2016 /A11:2018 /A12:2021/A1:2021 /A2:2021 | |
| F1, F2 | | Household and Similar Electrical Appliances - blankets, pads, clothing and Similar flexible Heating appliances | Visual examination 7. Marking and instructions (only: 7.101) 22. Construction (only: 22.26, 22.101, 22.102, 22.103, 22.105, 22.110, 22.112, 22.113) | IEC 60335-2-17:2022; EN 60335-2-17:2013 /A11:2019 /A1:2020/A2:2021; | |
| F1, F2 | | Household and Similar Electrical Appliances - Appliances for skin or hair care | Visual examination 22. Construction (only: 22.103) | IEC 60335-2-23:2016; /AMD1:2019; EN IEC 60335-2-23: 2023 / A1: 2023 / A11: 2023 | |
| F1, F2 | | Household and Similar Electrical Appliances - Room Heaters | Visual examination 22. Construction (only: 22.104, 22.108, 22.109) 24. Components (only: 24.101) | IEC 60335-2-30:2009 / COR1:2014 / AMD1:2016 / AMD2:2021; EN 60335-2-30:2009 /A11:2012/AC:2014; /A1:2020/A12:2020; | |



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|-----------|-------------------------|--|--|--|------------------------------|
| F2 | Electrical ^F | Household and Similar Electrical Appliances - dispensing Appliances and vending Machines | Visual examination 7. Marking and instructions (only: 7.12.101, 7.12.102) 22. Construction (only: 22.104, 22.106, 22.107, 22.108, 22.109, 22.111, 22.113) 23. Internal wiring (only: 23.101) 24. Components (only: 24.101) | IEC 60335-2-75:2012 /AMD1:2015/AMD2:2018 EN 60335-2-75:2004 /A1:2005 / A2:2008 /A11:2006/A12:2010 | Visual examination |
| F2 | | Household and Similar Electrical Appliances - fans | Visual examination 6. Classification (only: 6.101) 22. Construction (only: 22.101, 22.102.3) 24 Components (only: 24.101) 27 Provision for earthing (only:27.3) | EN 60335-2-80:2003; /A1:2004 /A2: 2009; IEC 60335-2-80:2015; | |
| F2 | | Household and Similar Electrical Appliances - Appliances having Electrical connections | Visual examination 22. Construction (only: 22.102) 24. Components (only: 24.101) | EN 60335-2-102: 2016 IEC 60335-2-102:2017 | |
| F2 | | Household and Similar Electrical appliances multifunctional shower cabinets | Visual examination 22. Construction (only: 22.102) | IEC 60335-2-105:2016 / AMD1:2019; EN IEC 60335-2-105:2021/A1:2021/A11: 2021; | |



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|-----------|-------------------------|--|---|--|------------------------------|
| F2 | Electrical ^F | Electrical Equipment for Measurement, Control, and Laboratory use | Visual examination 5. Marking and documentation (only: 5.1.1, 5.1.2, 5.1.4, 5.1.5, 5.1.6, 5.1.7, 5.4) 6. Protection against electric shock (only: 6.5.2.2, 6.6.3, 6.9.2, 6.9.3, 6.11.3, 6.11.4.1) 7. Protection against mechanical HAZARDS (only: 7.3.2) 9. Protection against the spread of fire (9.6.2, 9.6.3) 11. Protection against HAZARDS from fluids and solid foreign objects (only: 11.5) 12. Protection against radiation, including laser sources, and against sonic and ultrasonic pressure (only: 12.2.2) 14. Components and subassemblies (only: 14.2.2) | IEC 61010-1:2010 /AMD1:2016; Clause 6.7.2.2.1; EN 61010-1:2010 / A1:2019 / AC:2019 ; | Visual examination |
| F2 | | Electrical Equipment for Measurement, Control, and Laboratory use - Testing and measuring circuits | Visual examination 5. Marking and documentation (only: 5.1.5.101.2, 5.1.5.101.3) | IEC 61010-2-030:2017; EN IEC 61010-2-030:2021 / A11:2021; | |



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|-----------|-------------------------|--------------------------------------|--|--|------------------------------|
| F2 | Electrical ^F | Medical Electrical Equipment | Visual examination 4. General Requirements (only: 4.4, 4.5, 4.6, 4.10.1) 8. Protection against Electrical HAZARDS from ME EQUIPMENT (only: 8.3, 8.6.5, 8.6.6, 8.6.7, 8.6.8, 8.11.3.1, 8.11.3.3) 9. Protection against MECHANICAL HAZARDS of ME EQUIPMENT and ME SYSTEMS (only: 9.2.2.4.2) 10. Protection against unwanted and excessive radiation HAZARDS (only: 10.2, 10.5, 10.6, 10.7) | IEC 60601-1:2005/AMD1:2012/AMD2:2020; EN 60601-1:2006 / A1:2013 / AC:2014/ A12:2014 /A2:2021/A13:2023 | Visual examination |
| F2 | | | Visual examination 11. Protection against excessive temperatures and other HAZARDS (only: 11.1.4, 11.2.2.2, 11.2.2.3, 11.5, 11.6.8) 12. Accuracy of Controls and instruments and protection against hazardous Outputs 13. HAZARDOUS SITUATIONS and fault conditions for ME EQUIPMENT (only: 13.2.6) 15. Construction of ME EQUIPMENT (only: 15.4.2.2, 15.4.3.2, 15.4.5) 16. ME SYSTEMS (only: 16.3, 16.4, 16.9.2.3) 17. Electromagnetic compatibility of ME EQUIPMENT and ME SYSTEMS | IEC 60601-1:2005/AMD1:2012/AMD2:2020; EN 60601-1:2006 / A1:2013 / AC:2014/ A12:2014 /A2:2021/A13:2023 | |



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|-----------|-------------------------|--------------------------------------|--|---|------------------------------|
| F2 | Electrical ^F | Medical Electrical Equipment | Visual examination 4.2 Usability engineering process for me equipment | EN 60601-1-6:2010 / A1:2015/ A2:2021; IEC 60601-1-6:2010; /AMD1:2013/AMD2:2020 | Visual examination |
| F2 | | | Visual examination 6. Classification of ME EQUIPMENT and ME SYSTEMS 7. ME EQUIPMENT identification, marking and documents (only: 7.4, 7.5) 10 Construction of ME EQUIPMENT (only:10.2, 10.3) 11. Protection against strangulation or asphyxiation 1.1 13. Additional Requirements for ALARM SYSTEMS of ME EQUIPMENT and ME SYSTEMS (only: 13.1) | IEC 60601-1-11:2015/ AMD1:2020; EN 60601-1-11:2015/ A1: 2021; | |
| F2 | | | Visual examination 201.10.101 Ultrasonic energy 201.12 Accuracy of Controls and instruments and protection against hazardous outputs (only: 201.12.1.102) | EN 60601-2-5:2015; IEC 60601-2-5:2009 | |



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|-----------|-------------------------|--|---|--|------------------------------|-------------------|
| F2 | Electrical ^F | Audi/video, Information and Communication Technology Equipment | Visual examination 6. Electrically-caused fire (only: 6.5.3) 7. Injury caused by hazardous substances (only: 7.3, 7.4, 7.5) 8. Mechanically-caused injury (only: 8.5.4.2.2.1) Annex F (only: F.2.3, F.3.1, F.3.2, F.3.3.8, F.3.4, F.3.6, F.4) Annex G (only: G.3.4, G.4.3, G.7.2, G.7.3.2.3) | IEC 62368-1: 2023; EN IEC 62368-1: 2024/A11: 2024. | Visual examination | |
| F2 | | LED Modules for General Lighting | Visual examination 6.2 Contents of marking for built-in and for independent LED modules | IEC 62031:2018 EN IEC 62031:2020 EN IEC 62031:2020/A11:2021; | | |
| F2 | | Lamp Controlgear | Visual examination 15.1 Wood, cotton, silk, paper and Similar fibrous material | IEC 61347-1:2015 / AMD1:2017; Clause 11; EN 61347-1:2015 / A1:2021; | | |
| F2 | | Non-metallic Components of Electrical Equipment | Glow wire test 500 °C to 960 °C | EN IEC 60695-2-10:2021; IEC 60695-2-10:2021; EN IEC 60695-2-11:2021; IEC 60695-2-11:2021, EN IEC 60695-2-12: 2021 IEC 60695-2-12:2021 | | Glow wire chamber |
| F2 | | | | Household and Similar Electrical Appliances | | |



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|-----------|--|---|--|---|------------------------------|
| F2 | Electrical ^F | Medical Electrical Equipment | Glow wire Test | IEC 60601-1:2005/AMD1:2012/AMD2:2020; Clause 11.3; EN 60601-1:2006 / A1:2013 / AC:2014/ A12:2014 /A2:2021; | Glow wire chamber |
| F2 | | Luminaires | | IEC 60598-1:2020 Clause 13.3.2; EN IEC 60598-1:2020 | |
| F2 | | Lamp Controlgear | | IEC 61347-1:2015 / AMD1:2017; Clause 18.3; EN 61347-1:2015 / A1:2021; | |
| F2 | | LED Modules for General Lighting | | IEC 62031: 2018 / AMD1: 2021; Clause 17; EN IEC 62031:2020 A11:2021; | |
| F2 | | Electrical Equipment for Measurement, Control, and Laboratory use | | IEC 61010-1:2010 /AMD1:2016; Clause 9.3.2; EN 61010-1:2010 / A1:2019 / AC:2019 ; | |
| F2 | | Automatic Electrical Controls | | IEC 60730-1:2022, Clause 21.2; EN 60730-1:2016 / A1:2019 / A2: 2022 | |
| F2 | | Automotive electrical and electronic components | | Electrical transient conduction along supply lines only Pulse 1 Pulse 2a/2b Pulse 3a/3b Pulse 4 | |
| F2 | Electrical loads Direct current supply voltage; Overvoltage; Momentary drop in supply voltage; Starting profile; Slow increase/decrease of supply voltage; Reset behaviour at voltage drop; Load dump; Reversed voltage; | | ISO 16750-1:2018 ISO 16750-2:2012 ISO 16750-1:2023 ISO 16750-2:2023 | | |



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Accreditation is granted to the facility to perform the following testing:

1. The presence of a superscript F means that the laboratory performs testing of the indicated parameter at its fixed location.
2. Flex Code:
 - F0-Fixed scope item. No deviations allowed to the line item as identified, except for updating to the most recent version of an accredited standard method after verification
 - F1-Laboratory has the capability to test a new item, material, matrix, or product similar in composition to item, material, matrix, or product identified on the scope
 - F2-Laboratory has the capability to introduce the newest revision of an accredited authoritative standard method (with no modifications) identified on the scope
 - F3-Laboratory has the capability to introduce a parameter/component/analyte to an accredited test method identified on the scope
 - F4-Laboratory has the capability to introduce a new revision of an accredited non-standard method using the same technology or technique identified on the scope
 - F5-Laboratory has the capability to introduce a validated method that is equivalent to an accredited method (using same technology or technique) identified on the scope

