

PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

Manteck S.r.l.

Via XX Settembre 34, Mortara, (PV) 27036, 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):

Electrical 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:

Liacy Szuszen

Tracy Szerszen President

Perry Johnson Laboratory Accreditation, Inc. (PJLA) 755 W. Big Beaver, Suite 1325 Troy, Michigan 48084 Initial Accreditation Date: Issue Date: April 20, 2020 May 28, 2024 Accreditation No.: 0 107874

L24-404

Certificate No .:

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: <u>www.pjlabs.com</u>

Expiration Date:

August 31, 2026



Manteck S.r.l.

Via XX Settembre 34, Mortara, (PV) 27036, Italy Contact Name: Ing. Fabrizio Rossi, Phone: 328-917-6821

| FLEX CODE | FIELD OF TEST | ITEMS, MATERIALS, OR PRODUCTS TESTED | COMPONENT, CHARACTERISTIC, PARAMETER TESTED | SPECIFICATION OR STANDARD METHOD | TECHNOLOGY OR TECHNIQUE USED |
|--------------|------------------|---|--|-------------------------------------|---------------------------------|
| F1 | Electrical FO | Electrical and | Radiofrequency | EN55011 (2018) | LISN 16 A to 32 A current with |
| | | electronic | emitted level, | +A1(2019) | range 9 kHz to 30 MHz, Limiter, |
| | | equipment | electromagnetic | +A11(2020) | Antenna 30 MHz to 1 GHz |
| | | | compatibility test | +A11(2021) | |
| F1 |] | | | EN55015 (2015) | LISN 16 A to 32 A current with |
| | | | | +A11(2020) | range 9 kHz to 30 MHz, Limiter, |
| | | | | | Antenna 30 MHz-1 GHz |
| F1 | | | | EN55014-1 (2019) | LISN 16A-32A current with |
| | | | | +A11(2020) | range 9 kHz-30MHz, Limiter, |
| | | | × | +A11(2021) | Antenna 30 MHz-1 GHz |
| F1 | | | | CEI EN 55014-2 | LISN 16A-32A current with |
| | | | | (2021) | range 9 kHz-30MHz, Limiter, |
| | | | | | Antenna 30 MHz-1 GHz |
| F1 | | | | EN55032 (2015) | LISN 16A-32A current with |
| | | | | +EC(2018) | range 9 kHz-30MHz, Limiter, |
| | | | | +A11(2020) | Antenna 30 MHz-1 GHz |
| F1 | | | | EN 61326-1 (2021) | LISN 16A-32A current with |
| | | | | | range 9 kHz-30 MHz, Limiter, |
| | | | | | Antenna 30 MHz-1 GHz |
| F1 | | | | EN 61439-1 (2012) | LISN 16A-32A current with |
| | | | | +EC(2015) | range 9 kHz-30MHz, Limiter, |
| | | | | +EC(2019) | Antenna 30 MHz-1 GHz |
| F1 | | 1 | | EN 60730-1 (2011) | LISN 16A-32A current with |
| | | | | +A1(2020) | range 9 kHz-30MHz, Limiter, |
| | | | | | Antenna 30 MHz-1 GHz |
| F1 | | | | EN 60601-1-2 (2018) | LISN 16A-32A current with |
| | | | | | range 9 kHz-30MHz, Limiter, |
| | | | | | Antenna 30 MHz-1 GHz |
| F1 | | | | IEC EN 61000-6-3(2007) | LISN 16A-32A current with |
| | | | | +A1(2012) | range 9 kHz-30MHz, Limiter, |
| | 4 | | | +A1(2013) | Antenna 30 MHz-1 GHz |
| F1 | | | | IEC EN 61000-6-4 (2020) | LISN 16A-32A current with |
| | | | | | range 9 kHz-30MHz, Limiter, |
| | | | | EN456014.2 (2021) | Antenna 30 MHz-1 GHz |
| F1 | | | Immunity test | EN55014-2 (2021) | ESD generator 8 kV-15 kV |
| | | | (summary | | Burst generator 4 kV |
| | | | standard) | | Surge generator 4 kV |
| | | | | | H Field generator 30 A/m |
| | | | | | Dips and Variations |
| | | | | | RF radiated immunity |
| | | l | l | | RF conducted immunity |



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|--------------|--------------------------|---|---|--|---|
| F1 | Electrical ^{FO} | Electrical and electronic equipment | Immunity test (summary standard) | EN61547 (2009) | ESD generator 8 kV-15 kV Burst generator 4 kV Surge generator 4 kV H Field generator 30 A/m Dips and Variations RF radiated immunity RF conducted immunity |
| F1 | | | | EN55035 (2021) | ESD generator 8 kV-15 kV Burst generator 4 kV Surge generator 4 kV H Field generator 30 A/m Dips and Variations RF radiated immunity RF conducted immunity |
| F1 | | | | IEC EN 61000-6-1 (2019) | ESD generator 8 kV-15 kV Burst generator 4 kV Surge generator 4 kV H Field generator 30 A/m Dips and Variations RF radiated immunity RF conducted immunity |
| F1 | | | | IEC EN 61000-6-2 (2019) | ESD generator 8 kV-15 kV Burst generator 4 kV Surge generator 4 kV H Field generator 30 A/m Dips and Variations RF radiated immunity RF conducted immunity |
| F1 | | | Electric safety test: Earth conductor Insulation Dielectric strength Leakage current | EN60204-1 (2018) +EC(2019) | Earth measurement instrument 10A- 25A Insulation measurement instrument 500V-1000V Dielectric strength measurement instrument Leakage current measurement instrument |
| F1 | | | | EN60335-1 (2012) +EC (2014) +A/11 (2015) +A/13 (2018) +A/13 (2019) +A/1,A2,A14 (2019) +A/1,A2,A14 (2021) | Earth measurement instrument 10A- 25A Insulation measurement instrument 500V-1000V Dielectric strength measurement instrument Leakage current measurement instrument |





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|--------------|--------------------------|---|--|---|---|
| F1 | Electrical ^{FO} | Electrical and electronic equipment | Electric safety test: Earth conductor Insulation Dielectric strength Leakage current | IEC EN62368-1 (2020) | Earth measurement instrument 10A-25A Insulation measurement instrument 500 V-1 000 V Dielectric strength measurement instrument Leakage current measurement instrument |
| F1 | | | Radiofrequency emitted level | IEC EN 61000-3-2 (2019) | Harmonics measurements instrument |
| F1 | | | Radiofrequency emitted level in time | EN 61000-3-3 (2014) +EC (2014) +EC (2016) +A1 (2020) +A1 (2021) | Flickers measurements instrument |
| F1 | | | Immunity to electrostatic discharge | EN 61000-4-2 (2011) | ESD generator 8 kV-15 kV |
| F1 | | | Immunity to irradiated radiofrequency field | IEC EN 61000-4-3 (2013) | RF radiated immunity |
| F1 | | | Immunity to burts (fast impulse) | EN 61000-4-4 (2013) | Burst generator 4 kV |
| F1 | | | Immunity to surge (high power impulse) | EN 61000-4-5 (2014) +A/1 (2018) +A/1 (2020) | Surge generator 4 kV |
| F1 | | | Immunity to conducted radiofrequency | EN 61000-4-6 (2014) | RF conducted immunity |
| F1 | | | Immunity to magnetic fields | EN 61000-4-8 (2013) | H Field generator 30 A/m |
| F1 | | | Immunity to tension interruptions and variations | IEC EN 61000-4-11 (2020) | Dips and Variations |
| F1 | | | Equipment for general lighting purposes - EMC immunity requirements | EN 61547 (2020) | ESD generator 8 kV-15 kV Burst generator 4 kV Surge generator 4 kV H Field generator 30 A/m Dips and Variations RF radiated immunity RF conducted immunity |
| F1 | | | Radio frequency level emitted | ETSI EN 301 489-1 | LISN 16A-32A current with range 9 kHz-30MHz, Limiter, Antenna 30 MHz-1 GHz |
| F1 | | | | ETSI EN 301 489-2 | LISN 16A-32A current with range 9 kHz-30MHz, Limiter, Antenna 30 MHz-1 GHz |

This supplement is in conjunction with certificate #L24-404

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|--------------|--------------------------|---|--|-------------------------------------|---|
| F1 | Electrical ^{FO} | Electrical and electronic equipment | Radio frequency level emitted | ETSI EN 301 489-3 | LISN 16 A to 32 A current with range 9 kHz to 30 MHz, Limiter, Antenna 30 MHz to 1 GHz |
| F1 | | | | ETSI EN 301 489-4 | LISN 16A-32A current with range 9 kHz-30MHz, Limiter, Antenna 30 MHz-1 GHz |
| F1 | | | | ETSI EN 300 220-2 | LISN 16A-32A current with range 9 kHz-30 MHz, Limiter, Antenna 30 MHz-1 GHz |
| F1 | | | | ETSI EN 300 440-2 | LISN 16A-32A current with range 9 kHz-30MHz, Limiter, Antenna 30 MHz-1 GHz |
| F1 | | | Lamp controlgear - Part 1: General and safety requirements | EN 61347-1 (2015)+A1(2021) | Earth measurement instrument 10A- 25A Insulation measurement instrument 500V-1000V Dielectric strength measurement instrument Leakage current measurement instrument |
| F1 | | | LED modules for general lighting. Safety specifications | EN IEC 62031 (2020) | Earth measurement instrument 10A- 25A Insulation measurement instrument 500 V to 1 000 V Dielectric strength measurement instrument Leakage current measurement instrument |
| F1 | | | Uninterruptible power systems (UPS) - Part 1: Safety requirements | EN IEC 62040-1 (2019) | Earth measurement instrument 10A- 25A Insulation measurement instrument 500 V to 1 000 V Dielectric strength measurement instrument Leakage current measurement instrument |
| F1 | | | Uninterruptible power systems (UPS) - Part 2: Electromagnetic compatibility (EMC) requirementz | EN IEC 62040-2 (2018) | Emission and Immunity EMC test |
| F1 | | | Uninterruptible power systems (UPS) - Part 3: Method of specifying the performance and test requirements | EN IEC 62040-3 (2021) | Verified for Emission and Immunity EMC test, and electrical safety test |





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| FLEX | FIELD | ITEMS, | COMPONENT, | SPECIFICATION OR | TECHNOLOGY OR TECHNIQUE USED |
|------|---------------|-------------------------------------|---|----------------------|--|
| CODE | OF TEST | MATERIALS, OR PRODUCTS TESTED | CHARACTERISTIC, PARAMETER TESTED | STANDARD METHOD | |
| F1 | Electrical FO | Electrical and | Safety requirements for | CEI EN 61010-1 | Earth measurement instrument |
| | | electronic | electrical equipment for | (2010)+A1(2019) | 10A-25A |
| | | equipment | measurement, control, | | Insulation measurement instrument |
| | | - 1 | and laboratory use - | | 500 V to 1 000 V |
| | | | Part 1: General | | Dielectric strength measurement |
| | | | requirements. | | instrument |
| | | | Articles 4,5,6,7,8 | | Leakage current measurement |
| | | | | | instrument |
| F1 | | | Safety of laser products | EN 60825-1(2014)+ | Earth measurement instrument |
| | | | - Part 1: Equipment | EC(2017)+EC(2017)+ | 10A-25A |
| | | | classification and | Ab(2019) | Insulation measurement instrument |
| | | | requirements | | 500 V to 1 000 V |
| | | | | | Dielectric strength measurement |
| | | | | | instrument |
| | | | | | Leakage current measurement |
| | | | | | instrument |
| F1 | | | Medical electrical | EN 60601-1 | Earth measurement instrument |
| | | | equipment - Part 1: | (2006)+EC(201)+A | 10A-25A |
| | | | General requirements | 11(2021)+EC(02/20 | Insulation measurement instrument |
| | | | for basic safety and | 14)+EC(07/2014)+ | 500 V to 1 000 V |
| | | | essential performance | A1(2014) | Dielectric strength measurement |
| | | | Articles: | Medical electrical | instrument |
| | | | 1,2,3,4,5,6.2,6.3,6.6,7,8 | equipment - Part 2: | Leakage current measurement |
| | | | ,9,11.1,11.2,11.3,11.6,1 | Particular | instrument |
| | | | 1.8,12.1,12.2,12.3,12.4, | requirements for the | |
| | | | 13,14,15,16 | safety of short-wave | |
| | | | | therapy equipment | |
| | | | | EN 60601-2-3 | |
| | | | | (2015)+A1(02/2017 | |
| | | | |)+A1(05/20217) | |
| F1 | | - | Medical electrical | EN 60601-2-5 | Earth measurement instrument |
| | | | equipment - Part 2-5: | (2015) | 10A-25A Insulation measurement instrument |
| | | | Particular requirements for the safety of | | 500V-1000V |
| | | | ultrasonic | | Dielectric strength measurement |
| | | | physiotherapy | | instrument |
| | | | equipment | | Leakage current measurement |
| | | | - cquipment | | instrument |
| F1 | | | Medical electrical | EN 60601-2-10 | Earth measurement instrument |
| | | | equipment - Part 2-10: | (2015)+A1(09/2021) | 10A-25A |
| | | | Particular requirements | 7)+A1(10/2021) | Insulation measurement instrument |
| | | | for the basic safety and | .,(| 500V-1000V |
| | | | essential performance | | Dielectric strength measurement |
| | | | of nerve and muscle | | instrument |
| | | | stimulators | | Leakage current measurement |
| | | | | | instrument |
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|--------------|------------------|-----------------------|---|-------------------------------------|--|
| | | OR PRODUCTS TESTED | PARAMETER TESTED | | |
| F1 | Electrical FO | Electrical and | Medical electrical | EN IEC 60601-2-22 | Earth measurement instrument |
| | | electronic | equipment - Part 2-22: | (2020) | 10A-25A |
| | | equipment | Particular requirements for | | Insulation measurement |
| | | | basic safety and essential | | instrument 500 V to 1 000 V |
| | | | performance of surgical, | | Dielectric strength |
| | | | cosmetic, therapeutic and | | measurement instrument |
| | | | diagnostic laser equipment | | Leakage current measurement |
| | | | | | instrument |
| F1 | | | Medical electrical | EN IEC 60601-2-66 | Earth measurement instrument |
| | | | equipment - Part 2-66: | (2020) | 10A-25A |
| | | | Particular requirements for | | Insulation measurement |
| | | | the basic safety and | | instrument 500V-1000V |
| | | | essential performance of | | Dielectric strength |
| | | | hearing aids and hearing aid | | measurement instrument |
| | | | systems | | Leakage current measurement |
| | 1 | | | | instrument |
| F1 | | | Household and similar | EN 60335-2-69 | Earth measurement instrument |
| | | | electrical appliances - | (2012) | 10A-25A |
| | | | Safety - Part 2-69: Particular | | Insulation measurement |
| | | | requirements for wet and | | instrument 500V-1000V |
| | | | dry vacuum cleaners, | | Dielectric strength |
| | | | including power brush, for | | measurement instrument |
| | | | commercial use | | Leakage current measurement |
| | | | | | instrument |
| | | | Excluded articles: | | |
| | - | | 11,15,17,20,21,28,30,31,32 | ENT (0005 0 50 | |
| F1 | | | Household and similar | EN 60335-2-72 | Earth measurement instrument |
| | | | electrical appliances - | (2012) | 10A-25A |
| | | | Safety - Part 2-72: Particular | | Insulation measurement |
| | | | requirements for floor treatment machines with or | | instrument 500V-1000V Dielectric strength |
| | | | without traction drive for | | measurement instrument |
| | | | commercial use | | Leakage current measurement |
| | | | commercial use | | instrument |
| | | | Excluded articles: | | msuument |
| | | | 11,15,17,20,21,28,30,31,32 | | |
| F1 | 1 | | Household and similar | EN 60335-2-67 | Earth measurement instrument |
| | | | electrical appliances - | (2012) | 10A-25A |
| | | | Safety - Part 2-67: Particular | (=**=) | Insulation measurement |
| | | | requirements for floor | | instrument 500V-1000V |
| | | | treatment machines for | | Dielectric strength |
| | | | commercial use | | measurement instrument |
| | | | | | Leakage current measurement |
| | | | Excluded articles: | | instrument |
| | | | 11,15,17,20,21,28,30,31,32 | | |
| L | l | 1 | ,-,-,-,-,20,21,20,30,31,32 | | L |

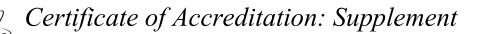




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|--------------|------------------|---|---|-------------------------------------|--|
| F1 | Electrical FO | Electrical and | Household and similar | EN 60335-2-68 (2012) | Earth measurement |
| | | electronic | electrical appliances - | | instrument 10A-25A |
| | | equipment | Safety - Part 2-68: Particular | | Insulation measurement |
| | | | requirements for spray | | instrument 500V-1000V |
| | | | extraction machines for | | Dielectric strength |
| | | | commercial use | | measurement instrument |
| | | | | | Leakage current |
| | | | Excluded articles: | | measurement instrument |
| | 1 | | 11,15,17,20,21,28,30,31,32 | | |
| F1 | | | Household and similar | EN 60335-2-15 (2016) | Earth measurement |
| | | | electrical appliances - | | instrument 10A-25A |
| | | | Safety - Part 2-15: Particular | | Insulation measurement |
| | | | requirements for appliances for heating liquids | | instrument 500V-1000V |
| | | | for heating inquids | | Dielectric strength measurement instrument |
| | | | Excluded articles: | | Leakage current |
| | | | 11,15,18,20,28,30,31,32 | | measurement instrument |
| F1 | | | Household and similar | EN IEC 60335-2-43 | Earth measurement |
| | | | electrical appliances - | (2020) | instrument 10A-25A |
| | | | Safety - Part 2-43: Particular | | Insulation measurement |
| | | | clothes dryers and towel | | instrument 500V-1000V |
| | | | rails | | Dielectric strength |
| | | | | | measurement instrument |
| | | | Excluded articles: | | Leakage current |
| | | | 11,15,18,28,30,31,32 | | measurement instrument |
| F1 | | | Household and similar | EN 60335-2-3 | Earth measurement |
| | | | electrical appliances - | (2016)+A1(2021) | instrument 10A-25A |
| | | | Safety Part 2-3: Particular | | Insulation measurement |
| | | | requirements for electric | | instrument 500V-1000V |
| | | | irons | | Dielectric strength |
| | | | Excluded articles: | | measurement instrument |
| | | | 11,15,18,28,30,31,32 | | Leakage current measurement instrument |
| F1 | | | Household and similar | EN 60335-2-32 (2021) | Earth measurement |
| 1.1 | | | electrical appliances - | LIN 00555-2-52 (2021) | instrument 10A-25A |
| | | | Safety - Part 2-32: Particular | | Insulation measurement |
| | | | requirements for massage | | instrument 500V-1000V |
| | | | appliances | | Dielectric strength |
| | | | 11 | | measurement instrument |
| | | | Excluded articles: | | Leakage current |
| | | | 11,15,18,28,30,31,32 | | measurement instrument |

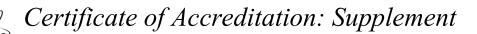




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|--------------|------------------|-----------------------|--|---------------------------------------|---|
| | | OR PRODUCTS TESTED | PARAMETER TESTED | | |
| F1 | Electrical FO | Electrical and | Household and similar | EN 60335-2-65 | Earth measurement |
| | | electronic | electrical appliances - | (2003)+A1(2020)+A1(| instrument 10A-25A |
| | | equipment | Safety - Part 2-65: Particular | 2021) | Insulation measurement |
| | | | requirements for air- | | instrument 500V-1000V |
| | | | cleaning appliances | | Dielectric strength |
| | | | | | measurement instrument |
| | | | Excluded articles: | | Leakage current |
| | - | | 11,15,18,28,30,31,32 | EN (0005 0 05 | measurement instrument |
| F1 | | | Household and similar | EN 60335-2-85 | Earth measurement |
| | | | electrical appliances - | 2003)+A1(2009)+A11(2010)+A2(2020) | instrument 10A-25A |
| | | | Safety - Part 2-85: Particular | 2019)+A2(2020) | Insulation measurement instrument 500V-1000V |
| | | | requirements for fabric steamers | | Dielectric strength |
| | | | steamers | | measurement instrument |
| | | | Excluded articles: | | Leakage current |
| | | | 11,15,18,28,30,31,32 | | measurement instrument |
| F1 | 1 | | Household and similar | EN 60335-2-10 | Earth measurement |
| | | | electrical appliances - | (2003)+A1(2009) | instrument 10A-25A |
| | | | Safety Part 2-10: | | Insulation measurement |
| | | | Particular requirements for | | instrument 500V-1000V |
| | | | floor treatment machines | | Dielectric strength |
| | | | and wet scrubbing machines | | measurement instrument |
| | | | | | Leakage current |
| | | | Excluded articles: | 10 100 | measurement instrument |
| | - | | 11,15,17,20,21,28,30,31,32 | ENL (0005 0 00 | |
| F1 | | | Household and similar | EN 60335-2-29 | Earth measurement |
| | | | electrical appliances - | (2004)+A2(2019)+A11 (2010) | instrument 10A-25A Insulation measurement |
| | | | Safety Part 2-29: Particular requirements for | (2019) | instrument 500V-1000V |
| | | | battery chargers | | Dielectric strength |
| | | | Suttery chargers | | measurement instrument |
| | | | Excluded articles: | | Leakage current |
| | | | 11,15,18,28,30,31,32 | | measurement instrument |
| F1 | 1 | | Household and similar | EN 60335-2-54 | Earth measurement |
| | | | electrical appliances - | (2008)+A11(05/2013)+ | instrument 10A-25A |
| | | | Safety - Part 2-54: Particular | A11(06/2013)+A1(201 | Insulation measurement |
| | | | requirements for surface- | 6)+A11/EC(2016)+A1(| instrument 500V-1000V |
| | | | cleaning appliances for | 2017) | Dielectric strength |
| | | | household use employing | | measurement instrument |
| | | | liquids or steam | | Leakage current |
| | | | Excluded articles: | | measurement instrument |
| | | | 11,15,18,20,21,27,28,30,31, | | |
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|------|---------------|---------------------------|---|--------------------|--|
| CODE | OF TEST | MATERIALS, OR PRODUCTS | PARAMETER TESTED | STANDARD METHOD | TECHNIQUE USED |
| | | TESTED | | | |
| F1 | Electrical FO | Electrical and | Household and similar | EN 60335-2-2 | Earth measurement |
| | | electronic | electrical appliances - Safety - | (2010)+A11(2013)+ | instrument 10A-25A |
| | | equipment | - Part 2-2: Particular | A11/EC(2014)+A1(2 | Insulation measurement |
| | | | requirements for vacuum | 014) | instrument 500V-1000V |
| | | | cleaners and water-suction | | Dielectric strength |
| | | | cleaning appliances | | measurement instrument |
| | | | | | Leakage current |
| | | | Excluded articles: | | measurement instrument |
| | - | | 11,15,18,20,21,28,30,31,32 | | |
| F1 | | | Household and similar | EN 60335-2-17 | Earth measurement |
| | | | electrical appliances - Safety - | (2013)+A11(2020)+ | instrument 10A-25A |
| | | | Part 2-17: Particular | A1(2020)+A11(2021 | Insulation measurement |
| | | | requirements for blankets, |) | instrument 500V-1000V |
| | | | pads, clothing and similar flexible heating appliances | | Dielectric strength measurement instrument |
| | | | nextore heating apphances | | Leakage current |
| | | | Excluded articles: | | measurement instrument |
| | | | 11,15,17,18,20,21,28,30,31,32 | | measurement instrument |
| F1 | - | | Household and similar | EN 60335-2-79 | Earth measurement |
| 11 | | | electrical appliances - Safety - | (2012) | instrument 10A-25A |
| | | | Part 2-79: Particular | (2012) | Insulation measurement |
| | | | requirements for high pressure | | instrument 500V-1000V |
| | | | cleaners and steam cleaners | | Dielectric strength |
| | | | | | measurement instrument |
| | | | Excluded articles: | | Leakage current |
| | | | 11,15,17,18,20,21,28,30,31,32 | | measurement instrument |
| F1 | | | Household and similar | EN 60335-2-44 | Earth measurement |
| | | | electrical appliances - Safety - | (2003)+A1(2009)+A | instrument 10A-25A |
| | | | - Part 2-44: Particular | 2(2012) | Insulation measurement |
| | | | requirements for ironers | | instrument 500V-1000V |
| | | | Excluded articles: | | Dielectric strength |
| | | | 11,15,18,20,21,27,28,30,31,32 | | measurement instrument |
| | | | | | Leakage current |
| | 4 | | | | measurement instrument |
| F1 | | | Household and similar | EN 60335-2-23 | Earth measurement |
| | | | electrical appliances - Safety - | (2003)+A1(2009)+A | instrument 10A-25A |
| | | | - Part 2-23: Particular | 11(2011)+A11/EC(2) | Insulation measurement |
| | | | requirements for appliances | 012)+A2(2016) | instrument 500V-1000V |
| | | | for skin or hair care | | Dielectric strength |
| | | | Enclosed anti-lass | | measurement instrument |
| | | | Excluded articles: | | Leakage current |
| | | | 11,15,18,20,21,28,30,31,32 | | measurement instrument |





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

| FLEX CODE | FIELD OF TEST | ITEMS, MATERIALS, | COMPONENT, CHARACTERISTIC, | SPECIFICATION OR STANDARD METHOD | TECHNOLOGY OR TECHNIQUE USED |
|--------------|------------------|-----------------------|--------------------------------|-------------------------------------|---------------------------------|
| | | OR PRODUCTS TESTED | PARAMETER TESTED | | |
| F1 | Electrical FO | Electrical and | Household and similar | EN 60335-2-75 | Earth measurement |
| | | electronic | electrical appliances - Safety | (2004)+A11(2007)+A | instrument 10A-25A |
| | | equipment | Part 2-75: Particular | 2(2009)+A12(2010) | Insulation measurement |
| | | • Jul pinterio | requirements for commercial | | instrument 500V-1000V |
| | | | dispensing appliances and | | Dielectric strength |
| | | | vending machines | | measurement instrument |
| | | | | | Leakage current |
| | | | Excluded articles: | | measurement instrument |
| | | | 11,15,18,20,21,28,30,31,32 | | |
| F1 | | | Household and similar | EN 60335-2-41 (2003) | Earth measurement |
| 11 | | | electrical appliances - Safety | | instrument 10A-25A |
| | | | - Part 2-41: Particular | | Insulation measurement |
| | | | requirements for pumps | | instrument 500V-1000V |
| | | | requirements for pumps | | Dielectric strength |
| | | | Excluded articles: | | measurement instrument |
| | | | 11,15,18,20,21,28,30,31,32 | | Leakage current |
| | | | | | measurement instrument |
| F1 | | | Household and similar | EN 60335-2-105 | Earth measurement |
| | | | electrical appliances - Safety | (2005)+A1(2009)+A1 | instrument 10A-25A |
| | | | - Part 2-105: Particular | 1(2010)+A2(2020) | Insulation measurement |
| | | | requirements for | | instrument 500V-1000V |
| | | | multifunctional shower | | Dielectric strength |
| | | | cabinets | | measurement instrument |
| | | | | | Leakage current |
| | | | Excluded articles: | | measurement instrument |
| | | | 11,15,18,20,21,28,30,31,32 | | |
| F1 | | | Household and similar | EN 60335-2-27 | Earth measurement |
| | | | electrical appliances - Safety | (2013)+A1/A2(2020) | instrument 10A-25A |
| | | | - Part 2-27: Particular | | Insulation measurement |
| | | | requirements for appliances | | instrument 500V-1000V |
| | | | for skin exposure to | | Dielectric strength |
| | | | ultraviolet and infrared | | measurement instrument |
| | | | radiation | | Leakage current |
| | | | | | measurement instrument |
| | | | Excluded articles: | | |
| | | | 11,15,18,20,21,28,30,31,32 | | |
| F1 | | | Household and similar | <u>EN 60335-2-60</u> | Earth measurement |
| | | | electrical appliances - Safety | (2003)+A2(2009)+A1 | instrument 10A-25A |
| | | | - Part 2-60: Particular | 1/A12(2010) | Insulation measurement |
| | | | requirements for whirlpool | | instrument 500V-1000V |
| | | | baths and whirlpool spas | | Dielectric strength |
| | | | | | measurement instrument |
| | | | Excluded articles: | | Leakage current |
| | | | 11,15,18,20,21,28,30,31,32 | | measurement instrument |



Manteck S.r.l.

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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. The presence of a superscript O means that the laboratory performs testing of the indicated parameter onsite at customer locations.
- 3. Flex Code:

F1-Introduction of the testing of a new item, material, matrix, or product for an accredited test method F2-Introduction of a new version of an accredited standard method (with no modifications)

F3-Introduction of a new parameter/component/analyte to an accredited test method

F4- Introduction of a new version or modifications of an accredited non-standard method

F5-Introduction of a new method that is equivalent to an accredited method (using same technology or technique)

