Brussels, 15/03/2018

Joint Action 2016

GA N° 739851

Call for Tender for Test Laboratories

Product Activity - Electrical Appliances 2 – Hair Care

APPENDIX I - Detailed Product Testing Requirements

Pricing

With regards to VAT, it is important to note that PROSAFE does not accept the reverse charge method and therefore all quotes should include the VAT charges as well (in Euros). Testing must be based on the latest valid editions of EN 60335-1 and EN 60335-2-23 and must include the clauses listed in the table below.

If a sample fails a test, the testing procedure shall continue unless the failure is so destructive that all further testing is impossible. The obtained/measured values when the failure occurred are needed in ALL tests performed by the laboratory. The purpose of testing is to identify dangerous non-compliances so that a market surveillance authority can decide whether a specific hair dryer, curling tong or hair straightener poses a risk to consumers such that action may be taken against it. Testing must therefore focus on areas where the products under test are likely to fail.

The sequence of testing must ensure that potentially destructive testing is conducted at or near the end of the testing regime. Each testing laboratory is requested to send quotations in the form of per clause (including sub-clauses where applicable) and per sample type based on the following tables. Depending on the type of quotations received, PROSAFE may decide to ultimately choose more than one laboratory to perform all the respective tests.

PLEASE NOTE that the suggested test duration per sample is 6 hours. The testing laboratory is invited to suggest alternative or additional testing, or both, that may be carried out within this time.

NB: The product type under test should be subjected to an initial functional check to determine whether it operates as intended by the manufacturer and in accordance with the user instructions provided.

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| HAIR DRYERS according to latest valid edition of EN 60335-1 and EN 60335-2-23 |
| Clause | Testing requirements and comments | Price (EUR) |
| 7 | Marking and instructions – In particular clauses 7.1, 7.6, 7.8, 7.9, 7.11, 7.12, 7.12.Z1, 7.12.5, 7.14, 7.15 and 7.16 |  |
| 8 | Protection against access to live parts -Apply appropriate standard probes, in particular clauses 8.1 and 8.1.3 |  |
| 10 | Power input and current  |  |
| 11 | Heating – In particular, clauses 11.7 and 11.8 with consideration to Table 3 and Table Z101. Note that 11.101 is also required for appliances incorporating a swivel connection.NB: The laboratory is asked to include a comment in the test report concerning the recorded temperatures of non-functional surfaces that are likely to be touched by vulnerable users |  |
| 13.1 | Leakage current and electric strength at operating temperature |  |
| 15 | Moisture resistance |  |
| 16 | Leakage current and electric strength |  |
| 19 | Abnormal operation – In particular clauses 19.101 and 19.102 |  |
| 21 | Mechanical strength – including clause 21.101  |  |
| 22 | Construction – In particular, clauses:22.3 appliances provided with pins: no undue strain on socket outlets22.12, 22.13, 22.24, 22.31, 22.32 |  |
| 23 | Internal wiring – In particular clauses 23.8 and 23.9 |  |
| 24 | Components – Check for the presence of components conforming to the safety requirements in the relevant standards as far as they reasonably apply, as supporting data sheets will not be provided with the products  |  |
| 25 | Supply connection and external flexible cords – In particular, clauses:25.8 nominal cross-sectional area: conductors of supply cords25.14 flexing test for appliances provided with a swivel connection25.15 supply cord pull test25.19 type x attachment and glands25.25 compatible plug pin dimensions |  |
| 29 | Clearances, creepage distances and solid insulation – Inspection with measurement in cases of doubt |  |
| 30 | Resistance to heat and fire – Subject external parts of non-metallic material, parts of insulating material supporting live parts including connections, and parts of thermoplastic material providing supplementary or reinforced insulation to the appropriate testing such as glow wire, needle flame etc. |  |
| Price (EUR) for producing test report (per sample of each hair dryer)  |  |
| Total price (EUR) |  |

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| CURLING TONGS according to latest valid edition of EN 60335-1 and EN 60335-2-23 |
| Clause | Testing requirements and comments | Price (EUR) |
| 7 | Marking and instructions – In particular clauses 7.1, 7.6, 7.8, 7.9, 7.11, 7.12, 7.12.Z1, 7.12.5, 7.14, 7.15 and 7.16 |  |
| 8 | Protection against access to live parts -Apply appropriate standard probes, in particular clauses 8.1 and 8.1.3 |  |
| 10 | Power input and current  |  |
| 11 | Heating – In particular, clauses 11.7 and 11.8 with consideration to Table 3 and Table Z101. Note that 11.101 is also required for appliances incorporating a swivel connection.NB: The laboratory is asked to include a comment in the test report concerning the recorded temperatures of non-functional surfaces that are likely to be touched by vulnerable users |  |
| 13.1 | Leakage current and electric strength at operating temperature |  |
| 15 | Moisture resistance |  |
| 16 | Leakage current and electric strength |  |
| 19 | Abnormal operation  |  |
| 21 | Mechanical strength – including clause 21.101 |  |
| 22 | Construction – In particular, clauses:22.3 appliances provided with pins: no undue strain on socket outlets22.32 class II curling irons and resistance to aging22.12, 22.13, 22.36 |  |
| 23 | Internal wiring – In particular clauses 23.8 and 23.9 |  |
| 24 | Components – Check for the presence of components conforming to the safety requirements in the relevant standards as far as they reasonably apply, as supporting data sheets will not be provided with the products  |  |
| 25 | Supply connection and external flexible cords – In particular, clauses:25.8 nominal cross-sectional area: conductors of supply cords25.14 flexing test for appliances provided with a swivel connection25.15 supply cord pull test25.19 type x attachment and glands25.25 compatible plug pin dimensions |  |
| 29 | Clearances, creepage distances and solid insulation – Inspection with measurement in cases of doubt |  |
| 30 | Resistance to heat and fire – Subject external parts of non-metallic material, parts of insulating material supporting live parts including connections, and parts of thermoplastic material providing supplementary or reinforced insulation to the appropriate testing such as glow wire, needle flame etc. |  |
| Price (EUR) for producing test report (per sample of each curling tong)  |  |
| Total price (EUR) |  |

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| HAIR STRAIGHTENERS according to latest valid edition of EN 60335-1 and EN 60335-2-23 |
| Clause | Testing requirements and comments | Price (EUR) |
| 7 | Marking and instructions – In particular clauses 7.1, 7.6, 7.8, 7.9, 7.11, 7.12, 7.12.Z1, 7.12.5, 7.14, 7.15 and 7.16 |  |
| 8 | Protection against access to live parts -Apply appropriate standard probes, in particular clauses 8.1 and 8.1.3 |  |
| 10 | Power input and current –Products having PTC heating elements are operated for 30 min. |  |
| 11 | Heating – In particular, clauses 11.7 and 11.8 with consideration to Table 3 and Table Z101. Note that 11.101 is also required for appliances incorporating a swivel connection.NB: The laboratory is asked to include a comment in the test report concerning the recorded temperatures of non-functional surfaces that are likely to be touched by vulnerable users |  |
| 13.1 | Leakage current and electric strength at operating temperature |  |
| 15 | Moisture resistance |  |
| 16 | Leakage current and electric strength |  |
| 19 | Abnormal operation with consideration to appliances incorporating PTC heating elements |  |
| 21 | Mechanical strength – including clause 21.101 |  |
| 22 | Construction – In particular, clauses:22.3 appliances provided with pins: no undue strain on socket outlets22.32 for hair straighteners where insulating material in which heating conductors are embedded is considered to be basic insulation only (except for heating conductors in PTC heating elements)22.12, 22.13, 22.36 |  |
| 23 | Internal wiring – In particular clauses 23.8 and 23.9 |  |
| 24 | Components – Check for the presence of components conforming to the safety requirements in the relevant standards as far as they reasonably apply, as supporting data sheets will not be provided with the products  |  |
| 25 | Supply connection and external flexible cords – In particular, clauses:25.8 nominal cross-sectional area: conductors of supply cords25.14 flexing test for appliances provided with a swivel connection25.15 supply cord pull test25.19 type x attachment and glands25.25 compatible plug pin dimensions |  |
| 29 | Clearances, creepage distances and solid insulation – Inspection with measurement in cases of doubt |  |
| 30 | Resistance to heat and fire – Subject external parts of non-metallic material, parts of insulating material supporting live parts including connections, and parts of thermoplastic material providing supplementary or reinforced insulation to the appropriate testing such as glow wire, needle flame etc. |  |
| Price (EUR) for producing test report (per sample of each hair straightener)  |  |
| Total price (EUR) |  |