**Joint Action on Harmonised Products 2022 JAHARP2022-01 Washing Machines (WP2) and Professional Refrigerated Storage Cabinets (WP3)**

***(Grant Agreement No. JA2021-2-01)***

**Call for Tender for Test Laboratories**

**Lot 1 - Washing Machines and**

**Lot 2 - Professional Refrigerated Storage Cabinets**

**Appendix III – Detailed Product Testing Requirements and Price List**

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# Lot 1 - Washing Machines

The testing of domestic washing machines to be carried out in the framework of this Joint Market Surveillance Action will be based on the following methods if finalised during the duration of the testing contract.

* EN 60456:2016+A11:2021 - Clothes washing machines for household use. Methods for measuring the performance.
* EN 60704-2-4:2012+A11:2020 - Household and similar electrical appliances. Test code for the determination of airborne acoustical noise.
* CLC/TS 50677:2022 - Method for the determination of rinsing effectiveness by measurement of the surfactant content at textile materials.
* CLC/TS 50707:2020 - Method for the determination of temperature inside the laundry load.

The purpose of testing is to identify non-compliances allowing a market surveillance authority to decide whether to take actions against a specific product. The project allows for the testing of approximately 8 washing machines with triple testing to be then added (subject to any potential non-compliances being found after a first test).

In the table below please provide the price, in Euros, of testing a single washing machine and the production of a suitable test report.

| **Tested Parameter** | **Reference legislation** | **Unit cost**  **(EUR Excl VAT)** | | |
| --- | --- | --- | --- | --- |
| **Single-product testing  1-4 product models** | **Single-product testing 5 -10 product models** | **Triple-product testing of one product model** |
| **Washing machines** | | | | |
| Energy consumption + water consumption +  energy efficiency index+ washing efficiency index + duration of the eco 40-60 programme + remaining moisture content + maximum temperature inside the laundry + spin speed | Annex II to Regulation (EU) 2019/2023 and Annex to IV to Regulation (EU) 2019/2014 | <Please fill in your unit cost here> | <Please fill in your unit cost here> | <Please fill in your unit cost here> |
| Acoustic airborne noise emission | Annex to IV to Regulation (EU) 2019/2014 | <Please fill in your unit cost here> | <Please fill in your unit cost here> | <Please fill in your unit cost here> |
| Rinsing Effectiveness (IR) | Annex II to Regulation (EU) 2019/2023 and Annex to IV to Regulation (EU) 2019/2014 | <Please fill in your unit cost here> | <Please fill in your unit cost here> | <Please fill in your unit cost here> |
| Low power modes | Annex II to Regulation (EU) 2019/2023 and Annex to IV to Regulation (EU) 2019/2014 | <Please fill in your unit cost here> | <Please fill in your unit cost here> | <Please fill in your unit cost here> |
| Test of all above-mentioned parameters, except noise | Annex II to Regulation (EU) 2019/2023 and Annex to IV to Regulation (EU) 2019/2014 | <Please fill in your unit cost here> | <Please fill in your unit cost here> | <Please fill in your unit cost here> |
| Test of all above-mentioned parameters including noise | Annex II to Regulation (EU) 2019/2023 and Annex to IV to Regulation (EU) 2019/2014 | <Please fill in your unit cost here> | <Please fill in your unit cost here> | <Please fill in your unit cost here> |

# Lot 2 - Professional Refrigerated Storage Cabinets

Testing is anticipated to be required according to two test standards, each appliance will be tested using one of these two. The decision on which one will be made by the requesting MSA before delivery, based on the date of placing on the market of the unit selected for the verification and the applicable regulation (2015/1094 or the new expected regulation if applicable at the date of the placing on the market of the unit):

* EN 16825:2016 A1:2019 (this standard was withdrawn by CEN, but remains identified in Commission Communication (2017/C 044/01) of 10 February 2017 as a transitional test method for professional refrigerated storage cabinets; many appliances have declared performance data and product registrations in EPREL based on this standard)
* EN ISO 22041:2019+A1:2019 (this standard replaced EN 16825 and is progressing through the process of being assessed and developed to become a harmonised standard, in line with the amendment of the associated energy label and ecodesign regulations (ongoing in 2024)).

The purpose of testing is to identify non-compliances allowing a market surveillance authority to decide whether to take actions against a specific product. The project allows for the testing of approximately 14 professional refrigerated storage cabinets with triple testing to be then added (subject to any potential non-compliances being found after a first test).

In the table below please provide the price, in Euros, of testing a single product and the production of a suitable test report.

|  |  |  |
| --- | --- | --- |
| Item | Price (€) | Comment |
| Test to EN 16825 or EN ISO 22041 | <Please fill in your unit cost € per test per cabinet> | Prices may be split by cabinet type or number of doors if necessary. |
| Temperature test for heavy duty cabinet at Climate Class 5 | <Please fill in your unit cost € per test per cabinet> |  |

# Comments/Suggestions for adjustments of the test programme

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