



Ozone air purifiers and sterilisers

CASP2022

The Coordinated Activities on the Safety of Products (CASP) projects enable all the market surveillance authorities from European Union and European Economic Area countries to cooperate in reinforcing the safety of products placed on the European Single Market.

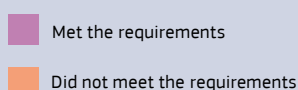
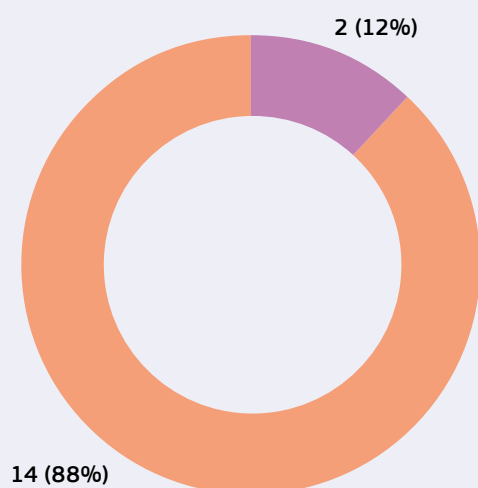
Product scope

The market surveillance authorities agreed to restrict the product scope to mains operated and floor or surface standing devices. Battery operated products and commercial or built-in products were out of the scope of this activity.

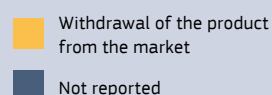
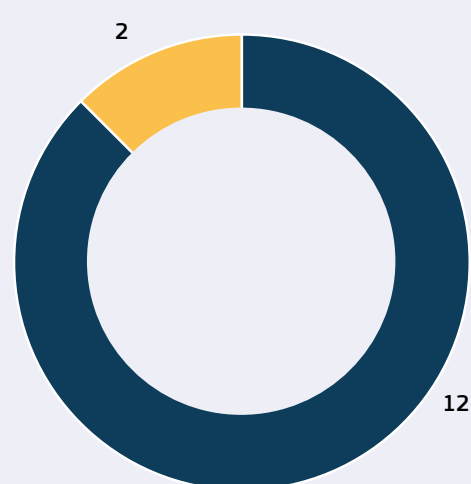


Testing and results

Overall test results (N=16)
excluding warnings, markings and instructions



Measures adopted for samples
that did not meet the requirements (N=14)



Main testing criteria

The testing plan included:

- a selection of clauses from the European Standard (EN) 60335-1:2012 Safety of household and similar electrical appliances (used in conjunction with EN 60335-2-65 on air cleaning appliances);
- EN 60335-2-109 – Clause 32 Radiation, toxicity and similar hazards;
- EN 62471:2008 Photobiological safety of lamps and lamp systems.

Key recommendations

1

When you design such products, ensure that, among other things, the following requirements are met:

- UV radiation does not come into direct contact with the eyes or the skin;
- the product's filter cannot be removed without the use of a tool and the product cannot be operated without a filter;
- the product does not produce ozone levels that are hazardous for the user.

2

Although there is no unique product-specific standard that can be applied at the design stage, the basic principles of design for electrical product safety are well established and must be followed.

3

There are appropriate standards that can be used to assess the design relating to the product-specific features, and these should be used to ensure that products are 'safe' according to the LVD and do not present a risk of injury to users and others.

4

Communicate about the performance of the product and provide information on how and where to use it.

Participating market surveillance authorities

COUNTRY	MSA
Czechia	Czech Trade Inspection Authority
Slovak Republic	Slovak Trade Inspection
Slovenia	Market Inspectorate of Republic of Slovenia
Sweden	Swedish National Electrical Safety Board



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