



# E-cigarettes and liquids

# CASP 2021

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

## Product scope



**E-CIGARETTE DEVICES**



**E-LIQUIDS**

This activity focused on e-cigarette devices (single-use e-cigarettes, rechargeable e-cigarette devices of different sizes) and e-liquids with and without nicotine.

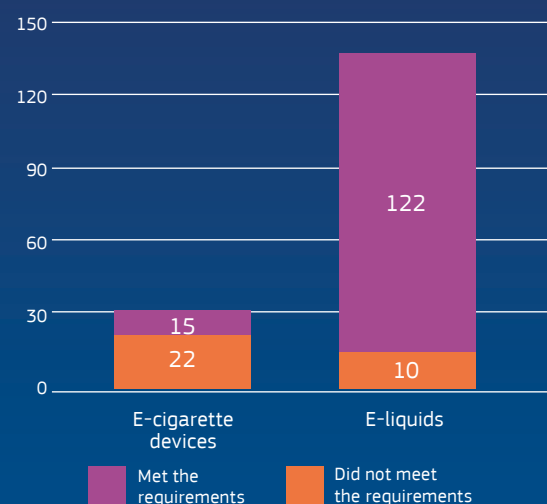
## Testing and results

### A total of 169 products were tested:

**37** e-cigarettes devices

**132** e-liquids

### Test results for product type



**19%**  
Did not meet the requirements

**81%**  
Met the requirements

### Resistance to breakage and protection from leakage

**9**  
Did not meet the requirements

**1**  
N/A

**28**  
Met the requirements

**12** Safety Gate notifications were issued.

## Main testing criteria

The testing plan for this activity was based on the requirements of the standards ISO 20714:2019, CEN/TS 17287:2019, and ISO 13127:2012 as well as criteria established in additional tests. The plan included assessments to verify the:

- chemical composition of the e-liquid, including the nicotine content;
- functionality and functional safety of the e-cigarette devices;
- child resistance and resistance to leakage (particularly during refilling) of the electronic cigarette devices;

- for some of the samples also the constituents of the aerosols used.

In addition to the laboratory tests, the market surveillance authorities also checked the accompanying warnings, markings and instructions in their national languages. A checklist with the main requirements was prepared by the technical expert to provide additional guidance for the market surveillance authorities.

## Key recommendations

### Be aware of your obligations under applicable legislation.

Take all necessary precautions to ensure that the products fully comply with the Tobacco Products Directive (2014/40/EU) (TPD), the CLP Regulation and the GPSD.

### Perform regular controls on your products.

- It is essential to verify the design against the requirements of the TPD and the GPSD; standards have been developed to assist with this, particularly in relation to child-resistance systems.

- It is also essential to conduct production controls to ensure consistent quality and include specifications that ensure the manufacturing process always follows the verified design. In addition, it is important to establish and maintain a system for collecting information about all of the suspected adverse effects products may have on human health.
- Exercise careful control when developing flavourings to ensure that they do not contain compounds that are considered harmful.
- It is crucial to assess the quality of e-liquids to ensure consistent compositions that meet the

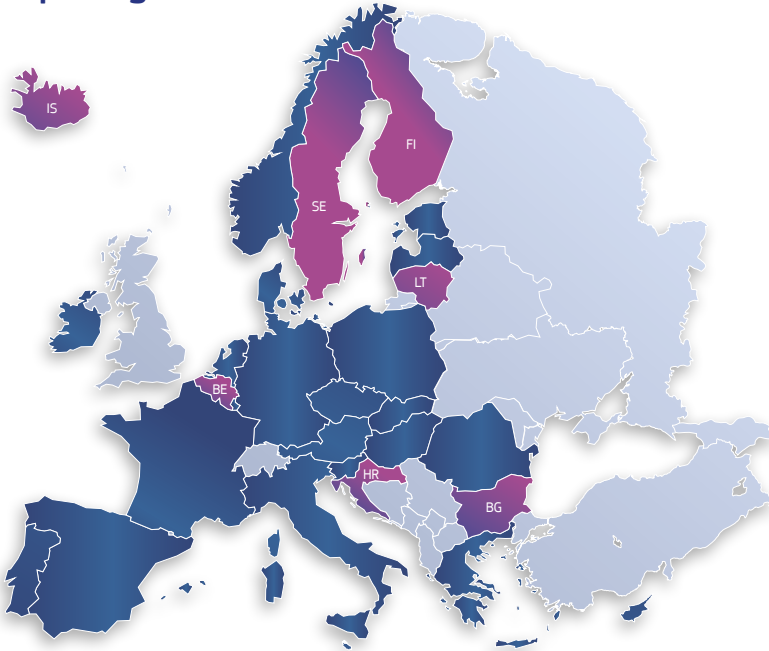
requirements of the TPD.

- Determine the content of aerosol emissions across a range of products to ensure that potentially harmful compounds and elements are eliminated.

### Recalls

- Clearly communicate with consumers on how they should register the products they purchase so they will receive information about recall actions.
- Make recall notices clear and accessible, and always indicate the hazards posed by the product.
- Regularly monitor the impact of a recall and adjust the strategy accordingly.

## Participating market surveillance authorities



**Belgium**  
Federal Public Service  
Health, Food Chain Safety  
& Environment – Federal  
Environment Inspectorate

Federal Public Service  
Economy – Directorate-  
General for Quality and  
Safety

**Bulgaria**  
Commission for Consumer  
Protection

**Croatia**  
State Inspectorate

**Finland**  
National Supervisory  
Authority for Welfare and  
Health

**Iceland**  
The Housing and  
Construction Authority

**Lithuania**  
State Consumer Rights  
Protection Authority

**Sweden**  
Swedish National Electrical  
Safety Board

More information at



**CASP2021**  
Coordinated Activities  
on the Safety of Products