



## Jewelry Recall Notifications-2022 report 4

Jewelry brings some beauty to human, but it may impact people’s health when containing hazardous substances. To protect public health, EU, US, Canada and other countries have established special warning notification mechanism to prevent or restrict the marketing or use of products posing a serious risk to the health and safety of consumers.

19 notifications information in report 4, Fourth quarter of 2022 on jewelry, are from Germany, Finland, Greece, Ireland, Lithuania, Norway, Slovakia and USA. Among the notified cases, up to 12 notifications of jewelry are from China among all those notifications. Jewelry were notified because of contains excessive amounts of cadmium , contains excessive amounts of lead and releases an excessive amount of nickel . The details are presented in the following table:

Risk	Regulation/ Standard	Notifica-tion count	Products
Contains excessive amounts of <b>Lead</b> .	REACH ANNEX XVII CPSIA	2	Rings, Hair pin
Contains excessive amounts of <b>Cadmium</b> .	REACH ANNEX XVII	4	Rings, Earrings, Jewelry set
Releases an excessive amount of <b>Nickel</b> .	REACH ANNEX XVII	10	Earrings, Bracelet, Pendant, Piercings
Contains excessive amounts of <b>Cadmium</b> and releases an excessive amount of <b>Nickel</b> .	REACH ANNEX XVII	3	Earrings

### Chemical substances exceeding the briefing .

1. Among the chemical substances involved in jewelry recalls of this quarter, the amount of recall cases involving nickel release was the largest, as high as 68.4%, ranking first; the second was the cadmium, which accounted for 36.8%; the third was contains an excessive amount of lead exceeding the standard, Reached 10.5%. In jewelry recalls of this quarter excessive levels of cadmium is a particularly serious problem, but also reflects the **EU supervision of nickel release is very large**.

2. According to the information, most of the products with excessive nickel release are earrings/body piercing accessories. This is because most of these accessories need to be pierced on human skin, and REACH requires that the nickel release of piercing accessories is more than direct products that come into contact with the skin are more stringent, limit of no more than 0.2µg/cm<sup>2</sup>/week .

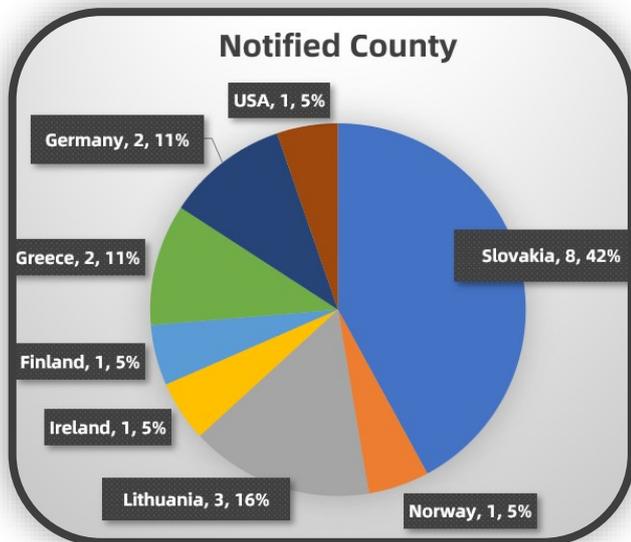


## Jewelry Recall Notifications-2022 report 4

Continue:

### Analysis of the causes of excessive chemical substances:

1. Most of the lead and cadmium content in the jewelry recall this quarter are alloy jewelry. And the excessive lead and cadmium content of this kind of jewelry is caused by the unqualified alloy smelting process, need more attention needs to be paid to the raw material selection of the product.
2. The metal coating is prone to excessive nickel release due to uneven electroplating technology.



In the fourth quarter of 2022, 19 recall notifications for imitation jewelry products ,

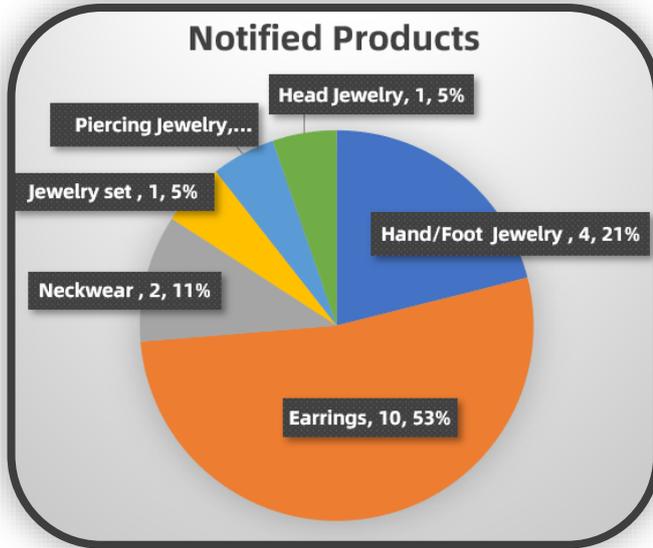
- According to the reporting country.
  - (1) Slovakia notified 8 products, accounting for 42%, ranking first.
  - (2) Lithuania reports 16%, ranking second .
  - (3) Germany and Greece reported 11%.
  - (4) Finland, Ireland, Norway and the United States accounted for 5 % of the notifications.

The above data shows that Slovakia continued the high supervision in the last quarter and should continue to strictly control the compliance of products. German consumer goods (including jewelry) has been a greater product compliance supervision, need to maintain product compliance in the German market. Finland and Greece continued their recall notifications from the previous quarter to maintain product compliance. Ireland, Norway and the United States have recall notices for the first time this year, and jewelry exported to these markets needs to strengthen compliance inspections.



## Jewelry Recall Notifications-2022 report 4

Continue:



In the fourth quarter of 2022, 19 recall notifications for imitation jewelry products ,

• According to product category :

- (1) Earrings were recalled at 10, accounting for 53%, ranking first .
- (2) Hand/Foot Jewelry recalls accounted for 21%, ranking second .
- (3) Neckwear (necklaces, pendants, etc.) recalls accounted for 11%, ranking third .
- (4) Jewelry set, Piercing Jewelry, Head Jewelry, re-called 5%, ranking fourth .

The above data shows that different types of jewelry have different recall ratios. The main reasons include:

- (1) Product demand or export quantity is different.
- (2) The production materials selected by the industry for different types of products are different.
- (3) Due to structural differences, different types of products have different production processes, etc.

Based on the above, for enterprises related to artificial jewelry products, on the one hand, they need to understand the relevant laws and regulations/standard requirements of the export market countries/regions. On the other hand, they should combine recent recall data and analysis in the supply chain of product selection, processing, and mass production. Strengthen management and control efforts to ensure the safety and environmental protection of exported products.

参考网站:

<https://www.cpsc.gov/Recalls/2023/U-P-Fashion-Recalls-Childrens-Rings-Due-to-Violation-of-Federal-Lead-Content-Ban>

<https://ec.europa.eu/safety-gate-alerts/>

[https://recalls-rappels.canada.ca/en/search/site?f%5B0%5D=audience%3A215&f%5B1%5D=category%3A127&f%5B2%5D=recall\\_type%3A255](https://recalls-rappels.canada.ca/en/search/site?f%5B0%5D=audience%3A215&f%5B1%5D=category%3A127&f%5B2%5D=recall_type%3A255)

Consumer Testing Technology Co., Ltd.

<http://www.cttlab.com>

**Guangdong**  
(Dongguan/Shenzhen/Huizhou/Guangzhou/Zhongshan)  
TEL: +86(0)769-8898 9888-884  
E-mail: enquiry@cttlab.com

**Zhejiang**  
(Yiwu/Ningbo)  
TEL: +86(0)579-8998 6543-800  
E-mail: zj@cttlab.com

**Fujian**  
(Quanzhou/Xiamen)  
TEL: +86(0)595-6809 9099-652  
E-mail: fj@cttlab.com

**Shanghai**  
TEL: +86 186 7621 9748  
E-mail: sh@cttlab.com

**Hong Kong**  
TEL: +852 3462 2595  
E-mail: hk@cttlab.com

**Vietnam**  
TEL: +84 038 6490 452  
E-mail: vn@cttlab.com

**USA**  
TEL: +1 562 470 7217  
E-mail: sh@cttlab.com

**Austria**  
TEL: +43 699 1000 3888  
E-mail: sh@cttlab.com



## 饰品召回通报预警—2022年第4期

饰品的广泛使用，创造了美的同时也威胁着身体健康。为了保障消费者的合法权益，欧盟、美国、加拿大等国建立了专门的预警通报机制，欧盟RAPEX系统、美国CPSC官网以及加拿大Health Canada官网定期公布在其境内出现的不安全产品的召回信息。此外，美国和加拿大还会对某些产品实施联合召回。

2022年第四季度（第40-51周），关于仿真首饰品的19则召回通报信息，来自德国、芬兰、希腊、爱尔兰、立陶宛、挪威、斯洛伐克和美国。通报案例中中国出口的高达12例，涉及的通报原因为化学物质含量超标，包括铅含量超标、镉含量超标和镍释放量超标。通报详情汇总如下：

通报原因	违反法规/标准	通报数量	涉及产品
铅含量超标	REACH ANNEX XVII CPSIA	2	发饰、戒指
镉含量超标	REACH ANNEX XVII	4	戒指、耳饰、饰品套装
镍释放量超标	REACH ANNEX XVII	10	吊坠、耳饰、手镯、项链、身体穿刺饰品
镉、镍释放量超标	REACH ANNEX XVII	3	耳饰

### 化学物质超标简析：

1.本季度饰品召回涉及的化学物质中涉及镍释放量超标的召回案例最多，高达68.4%，位居第一；其次为镉含量超标占比36.8%，位居第二；第三则是铅含量超标达到10.5%。说明产品中镍释放量超标的问题尤为严重，也反映欧盟对镍释放量的监管力度是非常大。

2.根据通报汇总表的信息，镍释放量超标的产品多为耳饰/身体穿刺饰品，这是因为此类饰品穿戴方式大多都需要穿刺人体皮肤，而REACH法规要求穿刺类饰品镍释放量要比直接与皮肤接触的产品更严格，其限值要求为不得超过0.2 $\mu\text{g}/\text{cm}^2/\text{week}$ 。

### 化学物质超标的原因分析：

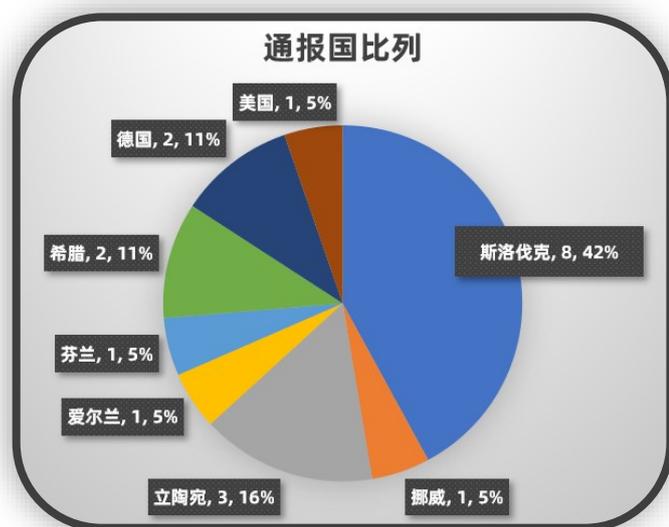
1.本季度饰品召回中铅、镉含量超标的都是合金饰品，而此类饰品造成铅镉超标是因为合金冶炼工艺不合格造成，需要多关注产品的原材料选用。

2.金属镀层易出现镍释放量超标的情况是因为电镀工艺参差不齐造成的。



## 饰品召回通报预警—2022年第4期

续:



2022年第四季度仿真首饰品的19则召回通报信息中,

• 按照通报国:

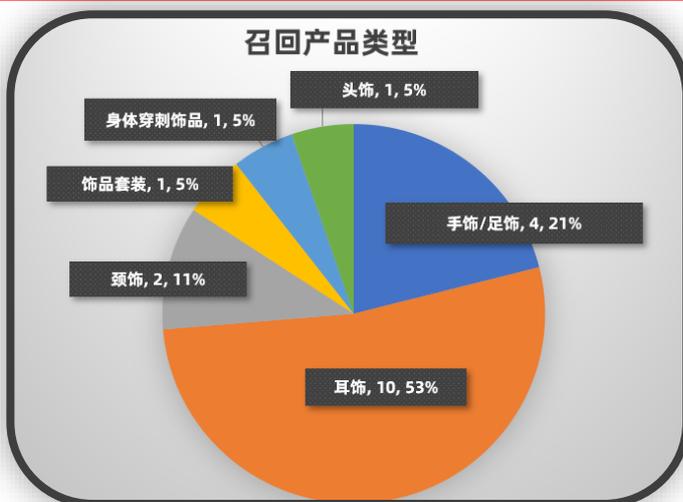
- (1) 斯洛伐克通报产品高达8则, 占比42%, 位居第一;
- (2) 立陶宛通报占比16%, 位居第二;
- (3) 德国和希腊通报产品均为2则, 占比均为11%。
- (4) 芬兰、爱尔兰、挪威和美国的通报占比均为为5%。

以上数据说明, 斯洛伐克延续了上一季度的高监管力度, 应持续严格管控产品的合规性。德国对消费品(包括首饰品)一直对产品的合规监督力度较大, 需保持德国市场的产品合规。芬兰和希腊延续上季度的召回通报, 因保持产品的合规性。爱尔兰、挪威和美国本年度首次出现召回通报, 出口这些市场的饰品需加强合规检查。

2022年第四季度仿真首饰品的19则召回通报信息中,

• 按照产品类别:

- (1) 耳饰召回为10则, 占比高达53%, 排名第一;
- (2) 首饰/足饰召回占比为21%, 排第二;
- (3) 颈饰(项链和吊坠等)召回占比为11%, 排名三;
- (4) 饰品套装、身体穿刺产品和头饰召回占比均为5%, 以上数据表明, 不同类别的仿真首饰品召回比例有所不同, 主要原因包括:
  - (1) 产品需求或出口数量不同;
  - (2) 行业针对不同类别产品选取的生产材质不同;
  - (3) 由于结构差异, 不同类别产品生产工艺不同, 等。



综合以上, 对于仿真首饰品相关企业, 一方面需要了解出口市场国家/地区的相关法规/标准要求, 另外一方面, 应结合近期召回数据及分析, 在产品选材、加工、大货生产等供应链环节加强管控力度, 保证出口产品安全环保。

参考网站:

<https://www.cpsc.gov/Recalls/2023/U-P-Fashion-Recalls-Childrens-Rings-Due-to-Violation-of-Federal-Lead-Content-Ban>

<https://ec.europa.eu/safety-gate-alerts/>

[https://recalls-rappels.canada.ca/en/search/site?f%5B0%5D=audience%3A215&f%5B1%5D=category%3A127&f%5B2%5D=recall\\_type%3A255](https://recalls-rappels.canada.ca/en/search/site?f%5B0%5D=audience%3A215&f%5B1%5D=category%3A127&f%5B2%5D=recall_type%3A255)

备注: 以上图片均来自以上参考网站。

中鼎检测技术有限公司

400-6789-666 <http://www.cttlab.com>

广东(东莞、深圳、惠州、广州、中山)

TEL: +86(0)769-8898 9888-884  
E-mail: enquiry@cttlab.com

浙江(义乌、宁波)

TEL: +86(0)579-8998 6543-800  
E-mail: zj@cttlab.com

福建(泉州、厦门)

TEL: +86(0)595-6809 9099-652  
E-mail: fj@cttlab.com

上海

TEL: +86 186 7621 9748  
E-mail: sh@cttlab.com

香港

TEL: +852 3462 2595  
E-mail: hk@cttlab.com

越南

TEL: +84 038 6490 452  
E-mail: vn@cttlab.com

美国

TEL: +1 562 470 7217  
E-mail: sh@cttlab.com

奥地利

TEL: +43 699 1000 3888  
E-mail: sh@cttlab.com