

Food Contact Material Recall Notifications-2025Report02

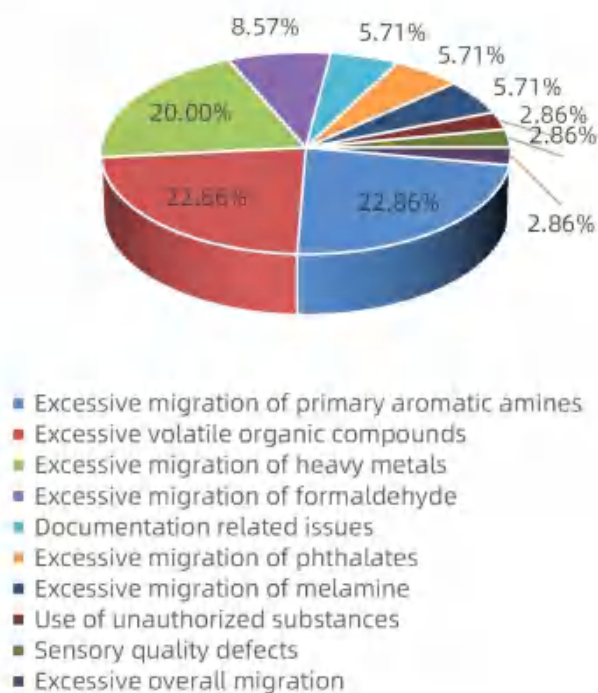
The safety of food contact materials is very important for food safety. With the continuous progress of science and technology, there are more and more kinds of food contact materials, and new safety problems also appear. The European Union (EU) has implemented strict laws and regulations on all kinds of food contact materials, and established an effective early warning and notification system. For illegal products, the EU will impose corresponding penalties.

This report summarizes the notification information of food contact materials from the European Union's RASFF in the second quarter of 2025, with a total of 35 cases, of which 20 cases are from China. The analysis is as follows:

1. Analysis of the reason for the notification

The reasons for the periodic notification mainly fall into four categories: the risk of harmful chemicals, the use of unauthorized substances, sensory quality defects and problems related to program documents. In this quarter, the notification caused by the risk of harmful chemicals accounted for the vast majority. Specifically, the number of notifications of excessive migration of primary aromatic amines and volatile organic compounds was the highest, with 8 notifications each, accounting for 22.86%; Followed by the excessive migration of metal elements and formaldehyde. See Figure 1 for details.

Figure1 Distribution chart of notification reasons



◆ Reason for notification "ranking list"

■ No. 1: The migration of primary aromatic amines exceeded the standard & volatile organic compounds exceeded the standard (each accounting for 22.86%)

Analysis : In this report, the migration of primary aromatic amines and volatile organic compounds exceeded the standard, which were reported 8 times each. Primary aromatic amines can enter the human body through the skin, gastrointestinal tract and respiratory tract, which may cause changes in cell function and structure, and even cancer. It mainly comes from the use of raw materials or additives containing such substances in production, such as polyamide resin and colorants, especially azo colorants. Volatile substances include various chemicals, some of which may have short-term and long-term adverse effects on human health. Short-term contact may cause eye and respiratory irritation, headache, dizziness, vision and memory impairment; Long-term contact will damage the nervous system, immune system, respiratory system, hematopoietic system and liver, and even cause leukemia, which is very harmful.

■ No. 2: The migration of metal elements exceeds the standard (accounting for 20.00%)

Analysis : In this report, the problem of excessive migration of metal elements is more prominent, and it was notified 7 times. If the migration of heavy metals in food contact materials exceeds the standard, once these excessive heavy metals enter the human body, their harm should not be underestimated. Because heavy metals are difficult to be discharged after entering the human body, they will gradually accumulate in the body, which will cause long-term and chronic harm to the human body, which may weaken the function of the immune system and increase the risk of infection. In view of this, the European Union has formulated strict regulations and standards to strictly limit the migration of metal elements in food contact materials to ensure the health and safety of consumers.

■ No. 3: Formaldehyde migration exceeded the standard (accounting for 8.57%)

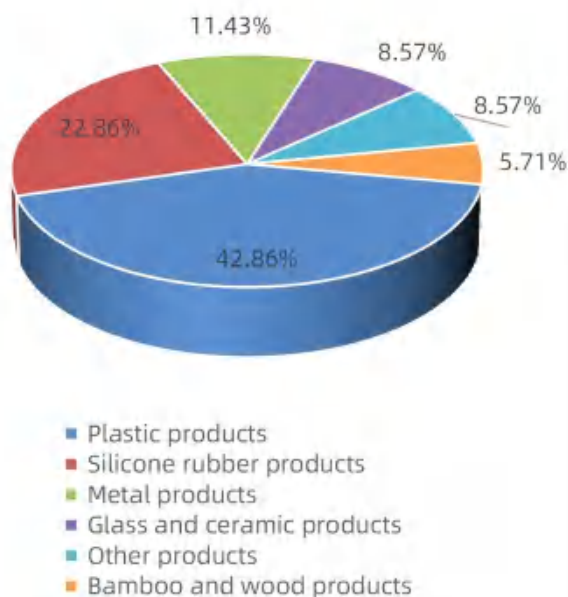
Analysis : In this report of notification, the problem of formaldehyde migration exceeding the standard was reported for three times. Once formaldehyde in food contact products exceeds the standard, it will enter the human body with the use of the product in daily use. Long-term intake of formaldehyde may increase the risk of leukemia, tumor, cancer and other diseases, which will seriously endanger human health.



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2. Analysis of the Products for the notification

Figure 2 Distribution of notified product types



◆ Materials and products for notification"ranking list"

■ No. 1: Plastic products (42.86%)

Analysis : In this report, plastic products were notified 15 times. The reasons for plastic products being notified are that the migration of primary aromatic amines exceeds the standard, the migration of formaldehyde exceeds the standard, the migration of melamine exceeds the standard and unauthorized substances are used. The product category that has been notified more is nylon kitchen utensils.

■ No. 2: Silicone rubber products (22.86%)

Analysis : In this report, silicone rubber products were notified 8 times. The main reason that silicone rubber products were notified was that volatile organic compounds exceeded the standard, and the notified products were mainly silicone rubber baking molds.

■ No. 3: Metal products (11.43%)

Analysis : In this report, metal products were notified four times, mainly because of the excessive migration of metal elements and the sensory quality defects of products. Among them, the sensory quality defect of the product is manifested in the fact that the product will produce metal chips in use, and the notified products include teapots, pressure cookers and garlic mashers.

3. Analysis of the Countries for the notification

There were 35 cases reported in this period, among which 20 cases were reported about products from China, accounting for 57.14%. In terms of countries that issued notifications, there were 14 countries in this quarter. Among them, Austria initiated notifications with 8 cases, accounting for 22.86% of the total notifications, followed by Belgium with 6 cases, accounting for 17.14% of the total notifications.

Figure 3 Notification of Chinese products

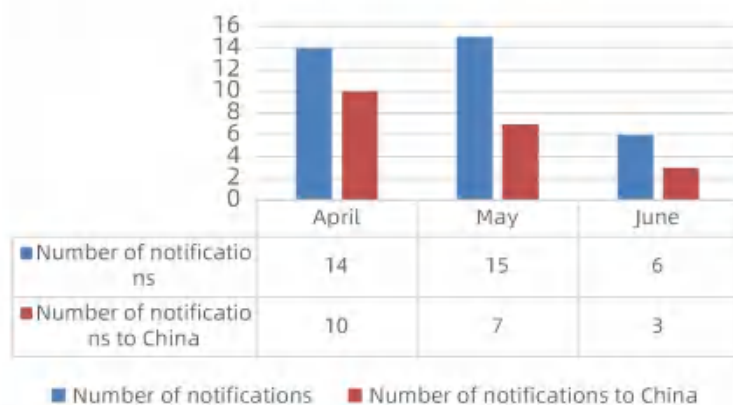
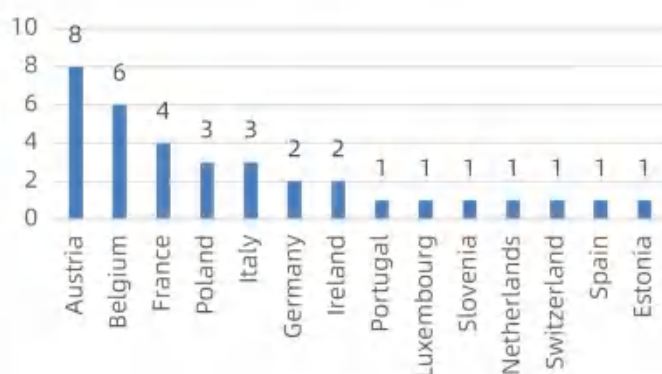


Figure 4 Number of notifications by countries





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Appendix: The relevant limit requirements of the notification of chemical risk :

Items	Law/Standard /Command	Limits	Material/Products
Overall migration	(EU)No 10/2011 and its amendments	10mg/dm ² or 60mg/kg	Plastic products
Specific migration of 19 metals		See the regulatory requirements for details	
Specific migration of primary aromatic amines		Not Detected	
Specific migration of phthalates		See the regulatory requirements for details	
Use of unauthorized substances	(EU)No 10/2011 and its amendments	Prohibited	Plastic products containing plant fibers
Specific migration of formaldehyde	(EU)No 10/2011 and its amendments (EU)No 284/2011	15mg/kg	Melamine plastic products
Specific migration of melamine		2.5mg/kg	
Bisphenol A	(EU) 2024/3190	Prohibited	Food Contact Materials and Products
Leaching amount of lead, cadmium, aluminum, cobalt and arsenic	Fiche MCDA N°2 (V01-01/05/2016)	See the regulatory requirements for details	Ceramic, glass and enamel products
Lip test-lead and cadmium dissolution			
Leaching amount of lead and cadmium	DIN 51032	See the regulatory requirements for details	Ceramic and glass products
Lip test-lead and cadmium dissolution			
Release of 24 Metals	EDQM Technical Guide Resolution CM/Res (2020)9	See the guideline requirements for details	Metal and Alloy Products
Volatile substance content	BfR Recommendation XV	0.5%	Silicone rubber products

Referenced Websites:

- <https://webgate.ec.europa.eu/rasff-window/portal/?event=SearchForm&cleanSearch=1>

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食品接触材料召回通报预警-2025年第2期

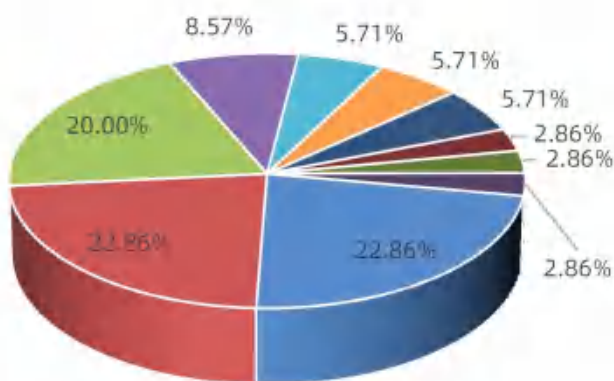
食品接触材料的安全性对于食品安全而言至关重要。随着科技的不断进步，食品接触材料的种类愈发繁多，新的安全问题也随之出现。欧盟对各类食品接触材料实行了严密的法规监管，并构建了一套行之有效的预警与通报体系。对于违规产品，欧盟将会施加相应的处罚手段。

本期汇总了2025年第2季度来自欧盟食品和饲料类快速预警系统（RASFF）的食品接触材料通报信息，共计35例，其中20例产品来源于中国，分析如下：

1. 通报原因分析

本期通报的原因主要归结为四大类：有害化学物质风险、使用未授权物质、感官质量缺陷和程序文件相关问题。在本季度中，有害化学物质风险所引起的通报占据了绝大多数。具体而言，初级芳香胺迁移量超标和挥发性有机化合物超标的通报数量最高，各通报8次，各占比22.86%；紧随其后的是金属元素迁移量超标和甲醛迁移量超标。详见图1。

图1 通报原因次数占比分布图



- | | |
|--------------|---------------|
| ■ 初级芳香胺迁移量超标 | ■ 挥发性有机化合物超标 |
| ■ 金属元素迁移量超标 | ■ 甲醛迁移量超标 |
| ■ 程序文件相关问题 | ■ 邻苯二甲酸酯迁移量超标 |
| ■ 三聚氰胺迁移量超标 | ■ 使用了未授权物质 |
| ■ 感官质量缺陷 | ■ 全面迁移量超标 |

◆ 通报原因“排行榜”

■ No. 1: 初级芳香胺迁移量超标&挥发性有机化合物超标（各占比22.86%）

风险分析：本期通报中，初级芳香胺迁移量超标和挥发性有机化合物超标问题严重，各被通报8次。初级芳香胺可通过皮肤、胃肠道和呼吸道进入人体，可能引发细胞功能和结构改变，甚至癌变。其主要源于生产中使用含此类物质的原料或助剂，如聚酰胺树脂和着色剂，尤其是偶氮类着色剂。挥发性物质包括各种化学物质，其中一些可能对人体健康产生短期和长期的不利影响。短期接触可能致眼睛、呼吸道刺激，及头痛、头晕、视力和记忆障碍；长期会接触损害神经系统、免疫系统、呼吸系统、造血系统和肝脏，甚至引发白血病，危害严重。

■ No. 2: 金属元素迁移量超标（占比20.00%）

风险分析：本期通报中，金属元素迁移量超标问题较为突出，被通报7次。食品接触材料产品若重金属迁移超标，一旦这些超标的重金属进入人体，其危害不容小觑。因为重金属进入人体后，难以被排出，会在体内逐渐蓄积，进而对人体造成长期、慢性的伤害，可能削弱免疫系统功能，增加感染疾病风险。鉴于此，欧盟已制定严格法规和标准，对食品接触材料中的金属元素迁移量进行严格限制，以保障消费者的健康安全。

■ No. 3: 甲醛迁移量超标（占比8.57%）

风险分析：本期通报中，甲醛迁移量超标问题被通报3次，一旦食品接触制品中甲醛出现超标情况，在日常使用过程中，甲醛会随着产品使用进入人体，长期摄入甲醛可能会增加患白血病、肿瘤、癌症等疾病的风险，严重危害人体健康。

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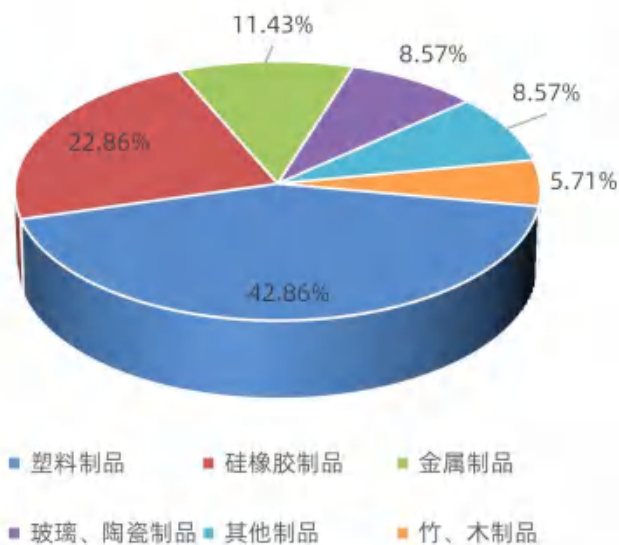
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2. 通报产品分析

图2 通报产品类型分布图



◆ 通报产品类型“排行榜”

■ No. 1: 塑料制品 (占比42.86%)

风险分析：本期通报中，塑料制品共被通报15次。塑料制品被通报的原因有初级芳香胺迁移量超标、甲醛迁移量超标、三聚氰胺迁移量超标和使用了未授权物质。而被通报较多的产品类别是尼龙厨房用具。

■ No. 2: 硅橡胶制品 (占比22.86%)

风险分析：本期通报中，硅橡胶制品被通报8次。硅橡胶制品被通报的主要原因是挥发性有机化合物超标，被通报的产品主要为硅橡胶烘焙模具。

■ No. 3: 金属制品 (占比11.43%)

风险分析：本期通报中，金属制品共被通报4次，通报的原因主要是金属元素迁移量超标和产品感官质量缺陷。其中，产品感官质量缺陷表现形式为产品在使用中会产生金属碎屑，被通报的产品包括茶壶、压力锅以及蒜泥器。

3. 通报国家分析

本期通报案例共计35例，其中，来自中国的产品被通报案例共20例，占比为57.14%。发布通报的国家方面，本季度共有14个国家。其中，最多的是奥地利，发起通报8例，占通报总数的22.86%，其次是比利时，发起通报6例，占通报总数的17.14%。

图3 对华产品通报情况

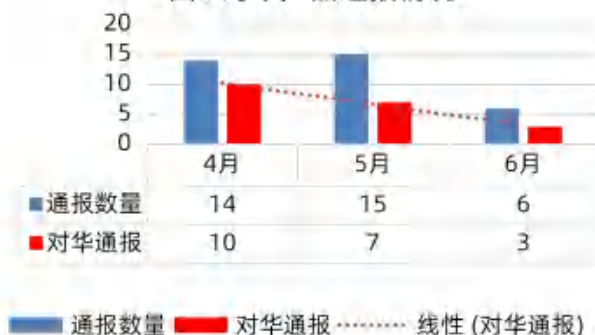
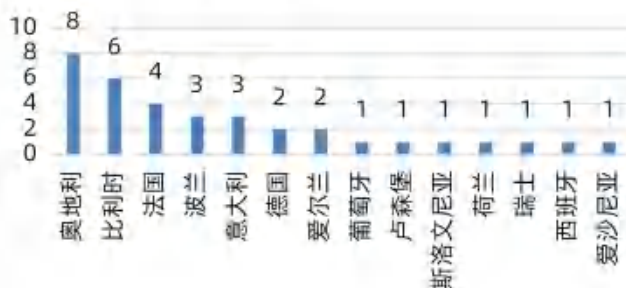


图4 各国通报数量



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附录：通报化学项目中需注意相关限值要求：

项目名称	法规/标准/指令	限值	材料/产品
全面迁移量	(EU)No 10/2011及其修订案	10mg/dm ² or 60mg/kg	塑料制品
金属迁移量19项		详见法规要求	
初级芳香胺迁移量		不得检出	
邻苯二甲酸酯迁移量		详见法规要求	
未授权物质	(EU)No 10/2011及其修订案	禁用	含植物纤维塑料制品
甲醛迁移量	(EU)No 10/2011及其修订案； (EU)No 284/2011	15mg/kg	密胺塑料制品
三聚氰胺迁移量		2.5mg/kg	
双酚A	(EU) 2024/3190	禁用	食品接触材料及制品
铅、镉、铝、钴、砷溶出量	Fiche MCDA N°2 (V01-01/05/2016)	详见法规要求	陶瓷、玻璃及搪瓷制品
唇边测试-铅、镉溶出量			
铅、镉溶出量	DIN 51032	详见法规要求	陶瓷、玻璃制品
唇边测试-铅、镉溶出量			
24种金属特定释放量	EDQM Technical Guide Resolution CM/Res (2020)9	详见指南要求	金属及合金制品
挥发性化合物	BfR Recommendation XV	0.5%	硅橡胶制品

·参考网站：

- <https://webgate.ec.europa.eu/rasff-window/portal/?event=SearchForm&cleanSearch=1>

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