

Foreign Bodies and Contaminants

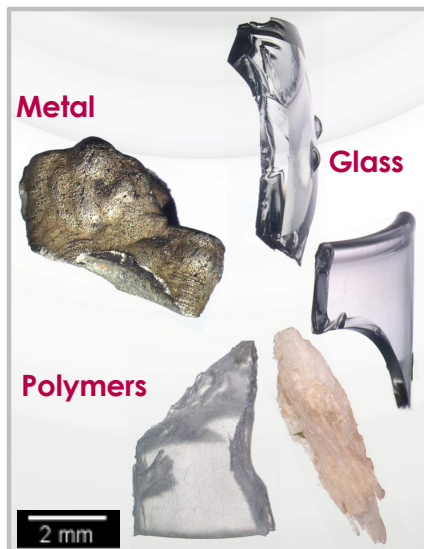
In the food industry, the pharmaceutical and cosmetics, **a product's safety** is of capital importance. The contamination of a product or the presence of a foreign body represents danger for the consumer (a public health risk) and for the producer (a financial risk).



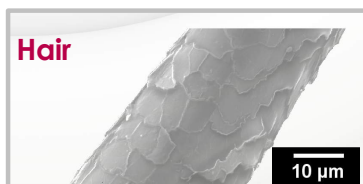
Risks are present throughout the whole fabrication process (raw materials, production lines, accidental pollution...). Mastering these risks is an essential element of safety and implies the identification of contaminants.

With a strong experience in analysing materials, our laboratory **characterises foreign bodies and contaminants** and helps you identify their possible origin.

▲ YOUR NEEDS



Photographed by optical microscope



Photographed by Scanning Electron microscope (SEM)

• Identifying the contamination

1/ Nature :

- Glass, metal or plastic fragment
- Stone
- Natural or synthetic fibres
- Hair

2/ Source :

- Filling detritus
- Worn fabrication tools
- Raw materials
- Pollution linked to the environment of the filling line
- Accidental pollution

▲ OUR COLLABORATION

The association of our competence with our apparatus enabled us to develop a **meticulous and scientific method** allowing the characterisation of foreign bodies or contaminants.

This method based on observation and physico-chemical analyses was validated and accredited by COFRAC. It applies to foreign bodies of divers nature (glass, plastic, metal, mineral...) present in different forms (fragment, fibre or particle...)

When the nature of a foreign body is determined, it is easier to find the source of a problem.

To know the source of the contamination, we can compare the foreign body found with a referential material suspected to be the cause of a default.

This enables us to validate or reject certain hypotheses:

- broken bottles or jars in the filling line
- production environment: for instance broken glass, light bulbs, worn tools causing objects and particles in packages to fall before or during the filling.

▲ OUR GUARANTIES

- CRITT Matériaux Alsace is accredited by the French Accreditation Committee (COFRAC) according to the NF standard in ISO / CEI 17025 for:

- **Characterising foreign bodies in food industry, cosmetic and pharmaceutical products**
- **Testing and analysing materials in contact with food.**

- As a **Technology Resource Centre**, our objective is to guarantee a rapid performance adapted to your requirements.

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