

Health & Beauty

# Regulatory & Safety Assessment of Cosmetic Packaging in Europe



**Packaging is fundamental to the design and manufacture of any cosmetic product. The Cosmetic Regulation (EC) No 1223/2009, supported by the recommendations of Cosmetics Europe, sets forth essential regulatory requirement to address the safety of packaging when used for cosmetic products. Intertek provides comprehensive support to the cosmetic products industry to ensure the safety considerations of your packaging material are met.**



According to the cosmetic Regulation No (EC) 1223/2009, "a cosmetic product made available on the market shall be safe for human health when used under normal or reasonably foreseeable conditions of use" (3rd article).

## Regulatory and safety solutions

The human health impact of the migration of chemical substances from the packaging material into the formulation must be considered. Our team of qualified toxicologists, pharmacists and regulatory experts are here to help. We can review packaging materials and design a suitable analytical testing and safety assessment plan with the objective to meet the important safety requirements of the regulation.

### The proposed approaches for the assessment of cosmetic packaging is based on:

1. The regulatory documentation provided by the packaging supplier, according to the Packaging Advisory Document (Cosmetics Europe, 2019). The proposed approach is based on food contact compliance and declaration of substances of concern (CMR substances, prohibited/restricted substances in cosmetic products, and skin sensitizers).

2. Analytical assays conducted on the material. This approach is recommended for recycled packaging intended to be used for cosmetic purpose. In collaboration with our intern analytical laboratories, we conduct migration testing using relevant simulant for cosmetic use, in order to identify leachables migrating into the formula. Each leachable is then assessed based on the exposure of the final cosmetic product.

## Analytical solutions

Intertek proposes relevant analytical solutions that meet both the requirements of cosmetics regulation and your specifications for quality, safety and efficiency.

### Our solutions include:

- Migration testing using several simulants/ solvents: overall and specific migrations, PAH migration, selected metals migration, NIAS screening (using 3 techniques to cover volatile, semi-volatile and non-volatile substances)
- Characterization of packaging materials: identification of material by IR and DSC, qualitative screening of additives (volatile and semi-volatile organic compounds) by Soxhlet-GC / MS, research of inorganic elements by ICP-MS in case of colored packaging

## The Intertek advantage

Intertek helps local and international companies to ensure their products meet quality, safety, hygiene, and social and environmental responsibility standards around the world.

Intertek is a leading Total Quality Assurance provider to industries worldwide. Our network of more than 1,000 laboratories and offices in more than 100 countries, delivers innovative and bespoke Assurance, Testing, Inspection and Certification solutions for our customers' operations and supply chains. Intertek Total Quality Assurance expertise, delivered consistently with precision, pace and passion, enabling our customers to power ahead safely.

## Total Quality. Assured.

### For more information

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