

## Cosmetics Quality Control Finished Products and Raw Materials



### Your Challenges

Cosmetic products are among the most stringently regulated fast moving consumer products. A poor quality product can lead to batch recall and customer complaints, which can harm your brand image.

As part of a summary inspection program or with regard to potential requests, quality control forms an integral part of your development program.

### Our Solutions

Intertek's extensive knowledge of international standards and legislation enables us to provide a complete range of quality control services that allows you to successfully master the quality of your finished products and raw materials.

#### **Physicochemical Testing**

- Characteristics: pH, relative density, viscosity, flashpoint, water activity (Aw)
- Preservative determination
- Active ingredients determination: UV filters (organic and mineral), vitamins, antioxidants
- IFRA allergens determination
- Contaminants and impurities determination: heavy metals, nitrosamines including NDELA (ISO 15819 and ISO 10130), 1,4 dioxane, residual solvents, formaldehyde, phthalates, pesticides
- Nanomaterials characterisation: measurement of particle size, dispersion studies
- Stability studies: Determining the Date of Period After Opening (PAO)
- Compatibility study – packaging migration

#### **Microbiological Testing**

- Preservative efficacy: Challenge Test (EP 5.1.3, NF 75-611, USP51)
- Total viable count (ISO 21149, ISO 16212, EP)
- Identification of pathogens in accordance with ISO standards

#### **Toxicology**

- Skin irritation (ECVAM validated protocol)
- Ocular irritation (ECVAM pre-validated protocol)
- Sensitisation
- Phototoxicity and photosensitivity
- *In vitro* efficacy testing (specific method development)
- Percutaneous absorption study

#### Did You Know?

Above and beyond routine testing, our cosmetics specialists can help you in defining and validating methods or help you to resolve problems encountered at the R&D or production stages.

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