

## Intertek Pharmaceutical Services

### Microbial Testing for Cosmetics, Personal Care Products and Packaging

Microbial contamination of a cosmetic, healthcare or homecare product can present a potential health risk to the end-user. *In vitro* microbial testing is a requirement of the European Cosmetic Directive (76/768/EEC) in order to both assess the efficacy of the preservative system (challenge testing) and to provide durability testing to determine the period after opening (PAO). Intertek provides clients with high quality reliable microbiological tests according to a range of internationally recognized guidelines which can be applied to a range of products including solids, liquids, gels, textiles, surfaces and packaging materials. Intertek can provide quality control measurements to meet your product specifications.



#### Microbial tests available from Intertek

Microbial tests available for cosmetics and personal-care products include:

- Preservative effectiveness (PR NF T75-611, USP 51, EP 5.1.13 )
- Quantitative test for mesophile bacteria (NF ISO 21149)
- Quantitative detection of pathogens by media culture, flow cytometer, or microscopy
- Biocontaminant identification by fluorescent microscopy, or biochemical techniques
- Microorganisms detection by biology molecular (PCR)
- Package effectiveness (ISO 846)
- Bioburden evaluation (NF EN ISO 11737-1)
- Endotoxin detection (EP 2.6.14)
- Total Viable Count of bacteria and fungi (EP 2.6.12)
- Antimicrobials (Quantitative methods) IIS Z2801:2000, ISO 22196, EN 1040, EN 1275, EN 1465, EN 13610)
- *In vitro* skin testing: irritation, corrosion, surface adhesion (ECVAM validated protocols)
- Tailored methods (quantitative and qualitative) developed on request.

#### Intertek Cosmetic and Personal Care Product Services

Intertek's network of laboratories offer a diverse array of capabilities for the analysis of products, raw materials and consumer substrates.

- Raw materials testing
- Substrate analysis for product delivery
- Product de-formulation
- Chemical Problem solving
- Toxicological Risk Assessment
- Packaging studies

#### Intertek Pharmaceutical and Specialty Chemical Services

The global network of Pharmaceutical and Specialty Chemical Laboratories provide high end analytical services to customers engaged in the development and manufacture of cosmetics, personal care products, pharmaceuticals and specialty chemicals.

#### Regional Contacts

Europe & Asia  
Intertek ASG, Manchester, UK  
Tel: +44 (0)161 721 5247  
Pharma-Europe@intertek.com

Americas  
Intertek QTI, New Jersey, US  
Tel: +1 (0)908 534 4445  
Pharma-Americas@intertek.com

