

# ANALYTICAL TESTING



## REGULATION

**Regulations on cosmetics and personal care products vary between countries with a common goal in mind, which is ensuring product safety, quality, and effectiveness.**

- FDA 21 CFR (USA)
- Food and Drugs Act, CRC c.869 (Canada)
- Cosmetic Regulation (EC) 1223/2009 (EU)

Good Manufacturing Practices (GMP) of cosmetic products are mandatory in the EU (European

Union's new Regulation (EC) No 1223/2009), and highly recommended by the United States and Canada.

Eurofins Cosmetics & Personal Care worldwide network of laboratories offers several test methods and tailored protocols according to GMP ensuring the safety of the product for human use.





## RESTRICTED AND FORBIDDEN SUBSTANCES TESTING

Eurofins network of companies provides its clients with the best solution and techniques to ensure product safety. Impurity analyses are performed by our laboratories : 26 to 54 Allergens, Heavy metals, 1,4-Dioxane, Gluten, Formaldehyde, Parabens, Phthalates, Diethylene Glycol, Residual Solvent, Pesticides and etc.

## ACTIVE SUBSTANCES TESTING

We offer a wide range of active ingredients analysis for personal care and cosmetic products: Vitamin Quantification (Vitamin A Retinol and Niacinamide), Sunscreens (Zinc Oxide, Titanium Dioxide, Homosalate, Octocrylene, Oxybenzone), etc.

## PRODUCTS COVERED

A wide range of products (raw materials and finished products) are tested by our experts including: Sun Care, Hair Care, Skin Care, Soap, Shower Gel, Lip products, Eye make-up, Nail products, Oral Care, Fragrances, etc.

**Our 5 international certified and dedicated laboratories, working with state-of-the-art equipment, provide high quality services to assess the quality of cosmetics raw materials, finished products or packaging materials.**

## OFFER

### PHYSICAL TESTING

The mechanical properties of the products are evaluated including : appearance - colour - odour, pH value, density, viscosity, specific gravity, melting etc.

### STABILITY TESTING

Stability studies help to ensure the product and packaging retain their quality and are not impacted during the designated lifespan. Samples are stored in validated and monitored chambers under different conditions and removed at pull points for analysis to determine chemical stability and microbiological activity.

Stability protocols are client specific and tailored to specific products and their applications per established SOPs and guidelines. The conditions include but are not limited to 25°C/60%RH, 30°C/65%RH, 35°C/75%RH, 40°C/75%, 45°C/75%, Freeze thaw and photo-stability.

