

## Microencapsulation / Cosmetotextiles



### Your Challenges

Innovation remains a driver for growth for manufacturers. Microencapsulation is a leading-edge technology whose innovative concepts have emerged in recent years.

This is the case for cosmetotextiles, for example, defined as "a textile article containing a durable cosmetic product intended to be released over time" (FD CEN/TR 15917:2010 cosmetotextile technical report).

Solutions containing microcapsules may also be developed for fabric retreatment, fabric softeners and scented laundry detergents and more.

### Our Solutions

As a leader in the consumer goods market, Intertek puts our textile and cosmetic expertise to good use. Specific tests, such as capsule resistance to washing and/or wearing, have been developed in our laboratories\*.

Our services are based on recognised cosmetic and textile standards and directives and focuses on three key points:

#### **Performance:**

- Titration of encapsulated and free active ingredients
- Capsule resistance during washing and/or wearing cycles
- Define a wearing simulation method
- Quality control
- Colour fastness, stability and elasticity of textiles

#### **Safety:**

- Toxicological assessment
- In vitro skin and ocular irritation to ECVAM validated and pre-validated protocols
- Patch test and utilisation test under dermatological control
- Textiles for azo dyes, formaldehyde content, pH and more

#### **Efficacy:**

- Slimming results such as centimetre loss, cellulite reduction, firmness and more
- Hydration, wellness
- Anti-odour, anti-perspirant, fresh effect
- Hair shine, softness, UV protection and more

Our tests can be performed on many different types of articles such as: tights, underwear, T-shirts, jeans, pyjamas, household linen.

\* Our laboratory in France is approved with regard to Research Tax Credit (Crédit d'Impôt Recherche)

#### Did You Know?

Microencapsulation was developed in the 1950s in carbonless paper applications. It was not until 1995 that the first scented textiles appeared via microencapsulation

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