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**COSMETICS EUROPE:**  
**N° 20: IN VITRO UVA TEST METHOD**

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## **COLIPA RECOMMENDATION N°20 - Approved by PCPM -**

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### ***In vitro* UVA test method**

#### **Introduction**

The sun's radiation contains UVB radiation of wavelengths 290 to 320nm and UVA radiation of wavelengths 320 to 400nm. Together, these are responsible for harmful effects such as erythema and UV-induced premature ageing of the skin.

According to the *European Commission Recommendation of 22 September 2006 on the efficacy of sunscreen products and the claims made relating thereto*, sunscreen products should protect against both types of radiation.

#### ***In vitro* UVA test method**

Colipa has been active for many years developing and harmonizing methods for testing sunscreen products. It has now made available a *Method for the in vitro Determination of UVA Protection Provided by Sunscreen Products*. This has been correlated with the *in vivo* Persistent Pigment Darkening (PPD) method by several round robin tests and reproducibility has been demonstrated. The method is in line with the EC Recommendation.

#### **Recommendation**

It is recommended that the *Method for the in vitro Determination of UVA Protection Provided by Sunscreen Products* is used to measure UVA protection.

The Method contains detailed advice on the technical requirements of the instrumentation and of the procedures to be used. These should be strictly observed to ensure accurate, reproducible determination of the UVA protection factor.

#### **Implementation**

No formal deadline for implementation is given. In order to ensure smooth and efficient introduction of the method in 2008, Colipa is organizing a series of training workshops.

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