

Benzene Testing



Benzene is known to cause cancer in humans according to the World Health Organization (WHO), the International Agency for Research on Cancer (IARC) and the U.S. Centers for Disease Control and Prevention (CDC). Numerous studies have confirmed that exposure to Benzene whether through inhalation, skin absorption, ingestion, skin or eye contact poses significant health hazards.

Benzene contamination in sunscreens and after-sun care products is a serious public health concern since they are regularly used by adults and children of all ages to prevent skin cancer.

The United States Food and Drug Administration (FDA), recognizes the serious dangers of benzene and lists it as a 'Class 1 solvent' that should not be used in standard manufacturing of drugs substances, excipients, and drug products because of its toxicity.

However, if its use is unavoidable in order to produce a drug then its levels should be restricted to 2ppm in special circumstances. This exception however does not apply in sunscreen manufacturing. It is important for people to practice sun protection especially in the summer months and equally important to have peace of mind that the products they use are safe.





Recent reports have highlighted high levels of benzene found in benzoyl peroxide (BPO)-containing acne products. In addition to contamination, benzene can form in BPO acne treatments due to the drug's degradation.

Benzene formation in BPO products poses a significant risk to consumer health. Stability testing conducted at elevated temperatures can unveil substantial benzene levels in multiple BPO products.

We offer comprehensive testing services for benzene contamination and conducts accelerated stability studies to assess the risk of benzene formation in your benzoyl peroxide (BPO) products.

OUR OFFER

At Eurofins Cosmetic and Personal Care, our teams can help you ensure that your product is of high quality, safe for end-users, and compliant with health and safety regulations. We use validated methods developed in-house and approved by DAkkS and FDA to detect benzene.

Our laboratories can offer testing for all your cosmetic products not limited to sunscreens, after-sun, and disinfectants (for private use only) to ensure your products are benzene-free. Our teams can also work with you to identify and mitigate any production processes that may lead to the formation of benzene in your product.

