

# ENSURING PERFORMANCE CONFIDENCE IN PACKAGING COMPOENTRY



Packaging plays an important role in promoting, protecting and transporting your products.

Inadequate testing of componentry or materials can result in costly damage and tarnish your brand's reputation. Failure to comply with regulations often triggers fines and delays to market.

SGS understands these challenges and offers a full range of testing and certification solutions to assist clients in the design, review and development of primary, secondary and transit packaging.

## TOTAL PACKAGING CONFIDENCE

Companies work hard to ensure that their product's performance sets them apart from the competition, their packaging should do the same.

SGS One-Stop Services offer global solutions to the medical/pharmaceutical, food, cosmetics and household chemical industries. Our experts are actively involved in industry associations to stay abreast of new developments and understand the regulatory requirements for each market.

Our laboratories are equipped to perform chemical and performance testing on a wide range of plastic, aluminum & glass containers; sprayers, pumps & foamers, closures, as well as all types of cosmetic packaging components.



## ACCREDITED WORLD LEADER IN TESTING AND CERTIFICATION

The beauty and household industries have specific needs when it comes to the way packaging protects, preserves and delivers their products. SGS has the expertise as well as the capability when it comes to understanding regulatory and performance requirements.

Our full-spectrum testing capability can evaluate the physical performance and chemical properties of all of your packaging materials. Some of our most frequently requested tests for rigid packaging and components are:

- Shelf life
- Accelerated aging
- Drop Impact Resistance
- Environmental Conditioning
- Closure Open/Close Torque
- Toxic Elements in Packaging
- Product-Packaging Compatibility
- Qualifying Product Specifications
- Vacuum leakage and altitude testing
- Dispenser Output & Maximum Viscosity

Our global network of SGS laboratories possesses the technical expertise and has attained industry certifications to ensure products meet established requirements.

SGS is accredited to test your package for compliance to standards by the major accrediting organizations including:

- CPSIA
- ISTA
- TAPPI
- ASTM
- ISO
- ANSI
- UNDOT

# SGS COMPLETE PACKAGING SERVICE SOLUTIONS

## VALUE ADDED SERVICES

SGS offers more than product testing. Our extensive industry knowledge, technical expertise and global network provide specialized services at every stage of product development.

- Technical consultancy
- Seminars and training
- Product defect analysis
- Green labeling claims verification
- International updates & publications
- Standards and Regulations Services

Partnering with SGS helps you:

- Control costs
- Improve brand image
- Reduce damage and loss
- Minimize environmental impact
- Ensure products are well packaged

## ECO-FRIENDLY SERVICES

Along with traditional services to ensure confidence in the performance of your eco-packaging SGS has a full suite of sustainability services to help you meet a number of green objectives in design, performance and marketing.

- Eco Labeling
- Ecodesign Diagnosis
- System Level review
- Life Cycle Assessment
- Carbon Footprint Analysis
- Packaging Eco-Assessment Rating

## CONTACT US

For further information about our full range of service offerings, contact us:  
E-mail - [uscts.inquiries@sgs.com](mailto:uscts.inquiries@sgs.com)  
Call - [800-777-TEST\(8378\)](tel:800-777-TEST(8378))



## TOXICS IN PACKAGING

Increased scrutiny over heavy metals used in packaging materials (such as mercury, cadmium, chromium VI and lead) has resulted in state legislation to reduce the levels of hazardous substances.

SGS is able to evaluate materials to ensure compliance with regulations such as TPCH.

### TOXICS IN PACKAGING LEGISLATION

The [Toxics in Packaging Clearinghouse](#) (TPCH) is a model legislation, formed in 1992, developed to reduce the amount of heavy metals (such as lead, cadmium, mercury and chromium VI) in packaging and packaging components sold or distributed throughout the US. Since its enactment, the legislation has been successfully adopted in nineteen states including California, Illinois, Pennsylvania and New York and has been considered by Congress.

## FOOD CONTACT MATERIALS

Any product that comes into contact with food, from a paper wrapper to a plastic container, should undergo suitable testing. These materials are liable to migrate, which means that chemicals (e.g. Bisphenol A [BPA] and phthalates) may transfer from the packaging item to the food product.

The US Food and Drug Administration (FDA) and California legislation Proposition 65 address the issue of food contact materials. SGS technical experts provide advice on current legislation for materials and articles in contact with food.

SGS offers expertise, analytical testing and consultancy services for plastic and non-plastic materials, intended to come in contact with foodstuffs including:

- Durability
- Heat Resistance
- Water permeability
- Leachable lead and cadmium analysis
- Microwave and dishwashing test
- Overall and specific migration of elements