



# HAVE A **COMPLETE CONFIDENCE** IN YOUR PACKAGING

SGS YOUR PARTNER TO DEVELOP AND CONTROL YOUR PRODUCTS, FROM FLOOR TO CEILING.

**SGS**

# IMPROVE YOUR PACKAGING

# AND FULLY CONTROL YOUR BRAND IMAGE

Our network of laboratories in France, China, USA and on all continents, allows you to provide **ADAPTED** and **HARMONIZED SOLUTIONS**.

As the first contact with the customer, packaging is key to a product's commercial success, but there are technical, regulatory, economic, marketing and environmental factors to consider. Packaging requirements are also higher and higher to meet e-business expectations.

## OUR EXPERTISE



**Consulting / Labelling / regulatory reviews:** Assess potential risks • Compliance with applicable regulations • Help for packaging reduction • Labelling check • TCF • R&D services • After sales analysis



### HOW TO EVALUATE YOUR PRODUCT PERFORMANCE ?



**Performance and mechanical tests:** Compression • Water vapor, oxygen, grease permeability • Seal efficiency • Bubble test • Torque • Fatigue • Tensile • Resilience • Weld strength and peel • Perforation resistance • Opening and closing strength • Fit for use



**Transport simulations and environmental conditions:** ISTA program • Ageing tests • Corrosion • Weathering simulation • Shipping performance • Atmospheric conditions • Free-fall impact • Vibration • Localized impact • Low-pressure chamber • Compression • Moisture content



**Consumer perception and aspect evaluation:** Panel • Environmental perception • Ergonomics • Perception of labelling • Sensory • Size and volume measurements • Optical microscopy thickness measurement • Density • Surface tension • Resistance to rubbing and wear through contact • Abrasion • Fluid compatibility • Cracking • Colorimetry



### HOW TO ASSESS POTENTIAL RISKS ?



**Safety - food contact and chemical tests:** Overall migrations in aqueous and oil simulants • Specific migrations • PCP • PCBs • Phthalates • BPA • Aromatic amines • Residual solvents • Heavy metals • FDA • MOSH/MOAH • REACH • SVHC • Prop 65 • VOC • Formaldehyde content • Material identification and composition • Thermal analysis



### HOW TO SAVE RESSOURCES AND BE ECO-FRIENDLY ?



**Environmental friendliness:** Improvement of durability • Carbon footprint • Ecolabeling • Recyclability • Degradability • Compostability • Packaging end-of-life characteristics analysis

Our expertise **COVERS**  
**ALL TYPES OF PACKAGING**  
**MATERIALS** : paper, cardboard,  
plastics, metal, textile, glass,  
ceramics, silicon and others.

## OUR CERTIFICATIONS



Testing  
Accreditation n°1-6488  
Scope available on  
[www.cofrac.fr](http://www.cofrac.fr)



Transport testing simulation  
Program  
[www.ista.org](http://www.ista.org)

## ABOUT SGS

SGS is the world's leading inspection, verification, testing and certification company. We are recognized as the global benchmark for quality and integrity.

With more than 97,000 employees, we operate a network of more than 2,600 offices and laboratories around the world.

## CONTACT AN EXPERT

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