



# ENSURE **SAFETY** AND **QUALITY** OF ELECTRICAL AND ELECTRONIC PRODUCTS

We depend on electrical devices in our day-to-day lives. At home, in the office, on worksites and everywhere else. As consumers, we also trust these products to be safe. We rely on them to conform to certain standards. And this is why there are specific standards and regulations that different electrical and electronic devices are required to fulfil. Do your products meet these expectations? SGS CEBEC will help you find out.

## **WELCOME TO SGS CEBEC**

SGS CEBEC is a world leader for inspection, verification, testing and certification. You'll find services that support you in developing, assessing and ensuring the absolute safety of your electrical and electronic products. Whether you're creating electro-medical equipment, household appliances, electronic products, lighting equipment or installation materials. And we do this for a large range of certification schemes. This means you'll have more than just an opportunity to demonstrate that your product conforms: you'll have the benefit of our experience and our insight into different regulations and how they apply to your situation.

## **CERTIFICATIONS**

Which market is your product destined for? The local market? Are you working on a European scale? Or has global domination crossed your mind? Because each of these situations may involve different certifications. And as an accredited certification body, SGS CEBEC is authorized to grant certificates under these different national and international schemes. Complicated? Not at all. It's actually simpler this way. Suppose your product is tested under an international scheme. The test results are accepted for a number of countries. This means there's no need for retesting every time you cross a border. You'll make your way to market more quickly. And this allows you to start making returns on your investment earlier.

**SGS**



**CEBEC**

This logo demonstrates compliance with Belgian standards for the safety of people, goods and domestic animals. It is generally equivalent to the European EN and International IEC standards



**IECEE CB**

The international scheme for mutual acceptance of CB test reports and certification, based on IEC standards. This certification enables to obtain certifications for—and access to markets in—multiple countries based on one certificate and the related CB test reports.



**CCA**

An agreement between European countries, CENELEC Certification Agreement (CCA) applies to electro-technical products for which there is a valid Harmonization Document (HD) or EN (European Standard)



**ENEC**

European Norms Electrical Certification. This is the European mark for the safety of electrical products. It is recognized by all participating certification bodies.



**ENEC+**

European certification for the performance of electrical products. It helps manufacturers to validate the performance and benefits of their products.



**LOVAG**

European Compliance Scheme for Low Voltage industrial products. This certification is recognized and accepted throughout the European Economic Area, in the Middle East and elsewhere around the world.



**HAR**

The European agreement for the quality of electrical cables.

## ADDITIONAL TESTING SERVICES

Would you like to submit your product to other tests? SGS CEBEC offers you an extensive range of examinations to put you and your customers at ease.

- **Flammability:** Run the insulating or plastic materials of your product through glow-wire, needle flame or HB, V2, V1, V0 and 5V tests. They classify your materials by product standards.
- **IP rating:** We classify and rate the degree of protection that mechanical and electrical enclosures provide against liquids and solids. You'll be given a two-digit code as defined under IEC 60529.
- **Impact resistance – IK rating:** The impact resistance of your enclosures is classified under the European standard EN 62262. You'll be given two numeric values from 00–10.
- **Power consumption:** Consumer electrics such as refrigerators and heaters are given Energy Performance ratings. They help consumers understand and compare the energy efficiency of different products.
- **Performance:** Are your products performing efficiently? Is their performance in accordance with the European Regulations? We certify the performance of your product.

## EXPERTISE AND ADVICE

How would you like to enter the market full of confidence and certainty? With extensive experience in testing and certification of electrical and electronic products, the team at SGS CEBEC is ready to give you extra services:

- Visual structural inspections that assess whether your products meet requirements prior to going through the full range of tests.
- We check that documents conform to national and European standards and regulations, to set importers' minds at rest.
- Rely on us to check that the products entering the market are identical to the product originally certified.

For your safety, we ask you to always choose CEBEC-certified products. For more information, please contact us today.



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**SGS IS THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY**

**WHEN YOU NEED TO BE SURE**

**SGS**