

# Safety and Quality at the Highest Level.

With our product testing and certification programs for household appliances.



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# Your product merits our tests and certifications.

You can be proud of your product. Still, the requirements for safety and performance are strict. For your product to be successful and for the performance claims to be verified, the product needs to be in compliance with regard to safety, quality and suitability. We understand this. And we take care of it.



The experts of TÜV Rheinland use their extensive technical knowledge to perform tests and certifications. As the leading provider of testing and certification services in the world, we have been assisting our clients with their products for over 140 years. We stand for safety, quality and efficiency at the intersection of man, technology and environment.

We are always impartial and independent and take regulatory requirements, performance characteristics and consumer needs into account. All this greatly benefits you and your product because you reduce development costs and returns, acquire new target groups, improve customer retention, increase sales and get a faster access to international markets.

Our worldwide network of experts works together with international certification bodies and performs tests according to the applicable regulations. Product safety and product quality thus are validated. Comprehensive service, complete industry solutions with individual teams and regular contact persons assist you with the development of your product from prototype to market launch. We will help you analyze demands and goals.

With tests at an early stage, you will be able to have decisive influence on success factors.

**Our test mark helps you to market your products convincingly and credibly. Wherever in the world – TÜV Rheinland is your one-stop solution for safety and quality.**

#### THE TÜV RHEINLAND TEST MARK AND CERTIPEDIA

Consumers want the guaranteed trustworthiness of an independent third party. The combination of the TÜV Rheinland test mark and the online certificate database Certipedia offers your customers an easy, fast and transparent way to review product characteristics. Certipedia is a unique platform. It shows your products and services as well as their competitive advantages at a glance. Descriptive test mark keywords convey clear messages to your customers. Thanks to the individual test mark ID and QR code, your customers can immediately see the product test specifications online. In addition, you can incorporate your test mark very effectively into your product communication strategies.

## On your mark! For safety, quality and sustainability.

Especially where consumers expect it from you – in international markets and sensitive environments.



#### SAFETY

Products are marketable only when they are safe and when the end users know that they are reliable. Insurers insist on measures that ensure product safety as well. To increase your competitiveness, always opt for safety testing by an independent third party institution. Provide your customers with a clear guidance, for example in the form of the TÜV Rheinland GS mark, which is recognized worldwide. It signals safety. For this reason, we are the right institution to test and certify your product.

#### QUALITY

The motto is "safety first", because safety is the basis for further tests that carefully examine quality attributes such as function, ergonomic, ease of use, durability, ease of care or low-noise design. These requirements are based on relevant consumer demands and longtime experience in quality testing.

#### SUSTAINABILITY

Sustainability means for example to reduce carbon dioxide emissions, to conserve resources and to responsibly use finite raw materials. We are committed to sustainable solutions. Our experts specialize in testing and certifying environmental friendliness and process safety. We assist companies of all kinds on their way to a resource-conserving and cost-effective

orientation of their business. Whether testing for harmful substances, recyclability, energy efficiency, life cycle analysis or Green Product certification – our services will increase the trust in your products.

#### MARKET ACCESS SERVICES

With our expertise in market access services, TÜV Rheinland helps you to enter new markets for your products. Our experts know all market-specific requirements for approval and offer a one-stop service – for fast access to international markets and for a quick launch of your products.



**CERTIFICATION AND TEST MARK**

Upon successful testing and certification, the provider receives a certificate and the right to use the test mark for a specified limited time. Our tests can be individually expanded to include other test criteria. Ask for our documents. Don't hesitate to contact us.

# From the professional kitchen to the kitchen at home – you can't do without them: electrical household appliances.

They are part of the essential equipment in private and professional kitchens and make our everyday life easier. Therefore, the safety, quality and fitness for use requirements for these appliances are high. With the TÜV Rheinland test marks you show that your product meets these requirements.

**WHETHER**

- **Small household appliances,** such as food slicers or hand mixers
- **Cooking appliances,** such as cook-tops, ovens or barbecue grills
- **Water-heating devices,** such as electric water kettles, coffee machines or tea makers
- **Personal care equipment,** such as electric tooth brushes or hair dryers
- **Home care equipment,** such as steam irons or vacuum cleaners
- **Large household appliances,** such as dishwashers or refrigerating appliances

Our extensive test portfolio has the suitable tests for your needs and your product:

**ELECTROMAGNETIC FIELDS AND COMPATIBILITY**

Because of its electromagnetic waves, every household appliance causes electromagnetic interference emissions. It is important to prevent the disturbance of other electrical devices by these emissions.

Manufacturers who want to successfully market their electrical appliances must therefore ensure compliance

with the EMC directive. As international testing service provider and Notified Body of the Federal Network Agency, we are authorized to perform EMC tests to ensure compliance with European and international standards – both in our test laboratories, which are equipped with state-of-the-art technology, and also on-site with portable equipment.

**CHEMICAL AND ELECTRICAL SAFETY**

Based on chemical analysis, we verify whether the materials of which your product is made comply with the statutory limits according to the German

**WITH US YOU ARE ALWAYS UP TO DATE.**  
 Periodic conferences will keep you informed about news, changes and trends related to household appliances. Visit us on the Internet. [www.tuv.com](http://www.tuv.com)

Food, Commodities and Feed Code (LFGB). In addition to chemical safety, it is also important to ensure electrical safety. Our tests are conducted in our laboratories in accordance with the Low Voltage Directive and relevant European and international standards.

**PERFORMANCE CHARACTERISTICS AND ADDITIONAL TESTING**

More than just standard! The technical characteristics of your product, its functionality and any additional features have a positive impact on the purchasing decision of your target group. Document and promote the tested quality and functionality of your product with the significant TÜV Rheinland test marks and make it easier for your customers to select your product from the wide range of products on offer.

In our quality test laboratory, we test important quality-relevant product

characteristics, such as manufacturing quality, functionality, ergonomic properties, ease of use, durability, ease of care, suitability and dishwasher safety, a low-noise design or the clarity and quality of the user manual.

**ENERGY EFFICIENCY CLASS LABELING AND ECO-DESIGN TESTING**

European standards, directives and regulations define the requirements for energy efficiency labeling and for an environmentally-friendly product design.

The transparency of data on the consumption of electricity and water for electrical household appliances allows the consumer to compare individual devices within a product group.

We support you with the testing and declaration of your products according to the standards!

In our DAkkS-accredited laboratories we test your ovens, extractor hoods, refrigerators and freezers, dishwashers, washing machines and clothes dryers for energy and/or water consumption, noise level and much more. You may also make an additional statement about the eco-friendliness of your product with a Green Product Certification of TÜV Rheinland.



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