



For a safer tomorrow

TÜV Rheinland Thailand Ltd.
Global Technology Assessment Center
Chemical Testing Services

TÜV Rheinland Group

For more than 140 years, people and companies around the world have put their trust in TÜV Rheinland Group testers and certifiers. We offer you, our valued customers much more than just safety: with our **new ideas, expertise** and **strong global network**, we are at your side right from the beginning, playing an active role in improving the **competitive chances** and **sustainable quality** of your products, services, systems and human performance. In doing so, we help shape a future that does justice to the needs of people and the environment on the long-term basis.

Monitoring, developing, supporting, testing and certifying:

Our customers recognize these services with trust and praise every day anew.

Our goal: to be the first address for customers the world over.



Global Technology Assessment Center (GTAC)

- Chemical Testing Laboratory

The test house with international competence

At GTAC, our chemical laboratory provides the most accurate and efficient testing service with saving your operational costs. We offer testing services covering a wide range of consumer products including:

- Furniture
- Toys, childcare articles and stationeries
- Footwear and leather products
- Textile and garment
- Electrical and electronic products and more...

Product Safety begins with Chemical Testing

Industrial production without the use of chemicals is unthinkable. Starting with toys via domestic appliances, textiles, leather products, furniture up to construction materials, nothing is possible without chemical raw materials, chemical catalysts or chemical aggregates. No doubt about it, chemicals are indispensable and can be controlled to ensure they are beneficial.

To ensure that you are always on the safe side in the evaluation of pollutants in products and the environment media as well as hazardous substances at the workplace and in buildings, we are at your service with comprehensive expertise, accredited according to DIN EN 45001.





Chemical analysis services provided by TÜV Rheinland

Furniture

Customers expect furniture products are safe to use. TÜV Rheinland can conduct chemical testing for furniture to all current national and international standards so that customers can export their products worldwide:



- Chemical tests on leather, textile, wooden and filling materials according to European and international requirements
- Volatile Organic Compounds (VOCs), Azo dyes, Cadmium, PCP, Pesticides, Formaldehyde Odors and others
- PAHs for GS Mark
- DMF

Toys and Childcare articles

TÜV Rheinland can provide one stop service for Toy safety, quality and social compliance according to national and international standards.



- Migration of Toxic Elements / Heavy Metals Analysis (EN1122, EN 71-3, ASTM F963, CPSIA, AS/NZS, etc)
- Phthalates
- Azo Dyes
- Cadmium
- RoHS in electrically operated toys
- Wood Preservative
- Formaldehyde
- Plasticisers

Textile, Footwear and Leather products

Textiles and footwear will come in direct contact with human skin. They are one of those most regulated products in terms of use of hazardous substances. TÜV Rheinland can perform tests on the following items:

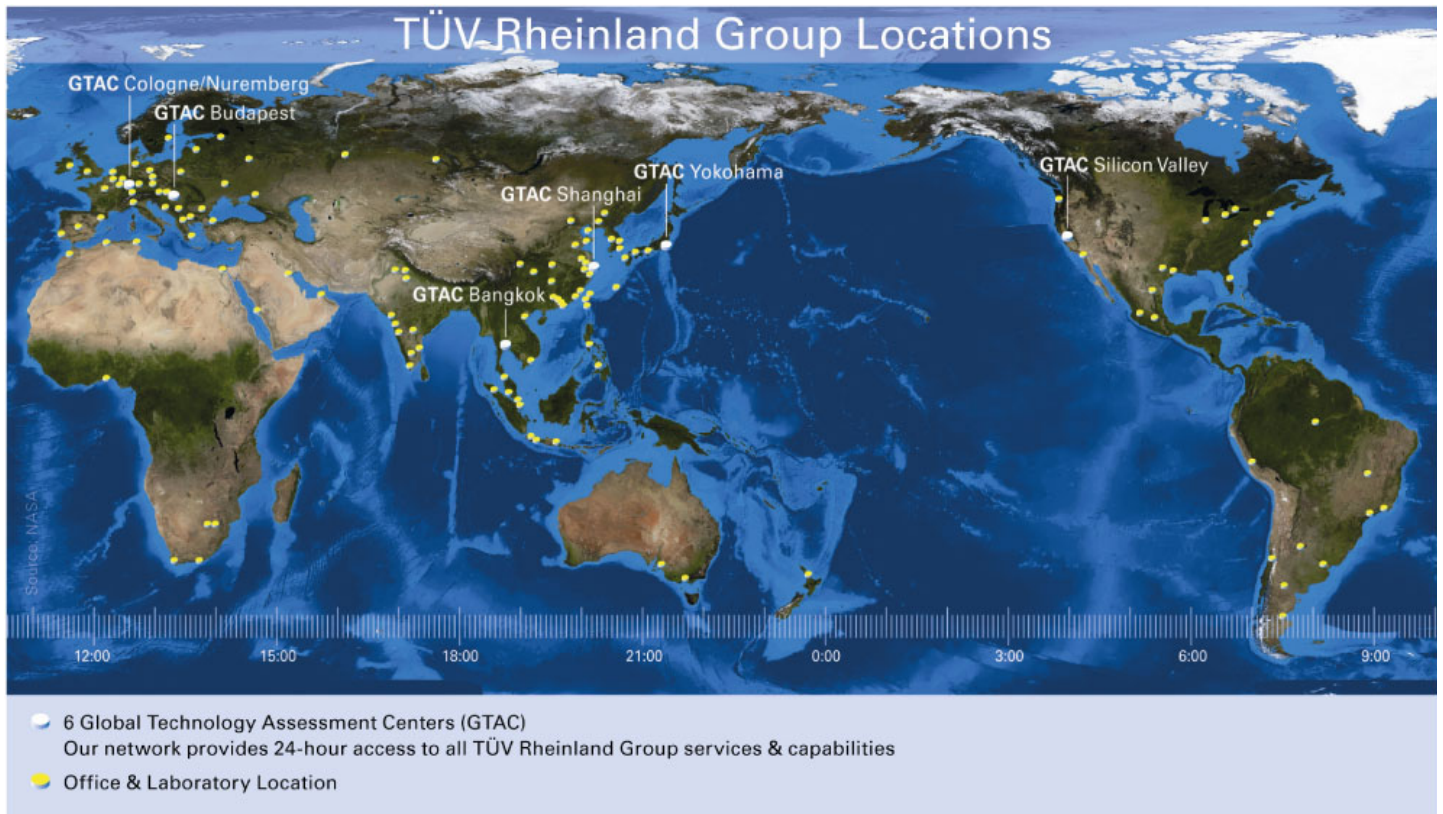
- Prohibited Azo Dyes
- PCP
- Phthalates
- Formaldehyde
- Hexavalent Chromium
- Total Cadmium
- Polycyclic Aromatic Hydrocarbons (PAHs)
- Allergizing Dispersion Dyes
- Extractable Heavy Metals



Green chemical service for hazardous substances

TÜV Rheinland advocates the responsible use of chemical substances, and provides a wide range of chemical testing and certification services based on different European Union (EU) requirements, including the Regulation on the Registration, Evaluation, Authorization and Restriction of Chemicals (Reach), Directive on the Restriction of Hazardous substances (RoHS), the End of life vehicles (ELV), and the Packaging and Packaging Waste (PPW) Directive.





TÜV Rheinland Thailand established a new Global Technology Assessment Center (GTAC) in Bangkok. GTAC Bangkok is the sixth GTAC among others around the world which is a contribution to meet the rapidly increasing demand for chemical and mechanical testing of products for Thai industries like for instance the furniture, footwear, leather, toys, textile, electrical & electronics as well as automotive part industry.

Since 1991, TÜV Rheinland Thailand has established its services in Thailand and offered a wide range of services to various industries. Over the past years the demand of testing for products from other industries is increasing. With the new GTAC facility, we will be able to provide a wider range of testing services to serve the above mentioned industries. What should be noted is that our testing scope can provide services the major exporting industries in Thailand with chemical, mechanical, physical and electrical tests under one roof.

With this new facility, we are intensifying our efforts to meet our clients' needs and expectations.

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