

# Chemical analysis in the car industry



On the safe side.



## Chemical analysis, product and material testing: leading expertise from one source.

Be it car chemicals or parts, when it comes to matters of safety and quality in the car industry, in-depth industry knowledge is also always in demand alongside specialist know-how. DEKRA offers you both: for chemical analysis matters as well as materials and damage analysis issues. We are the expert partner for car manufacturers, suppliers and retail as well as for the chemical industry for everything to do with vehicles and workshops.

### What chemical analysis in the car industry means:

With the use of cars, the safety of people and the environment depends considerably on the properties of the materials and working materials used. Accurate knowledge of these properties is even essential during the product development stage to ensure the required quality throughout the vehicle's lifecycle. Chemical analysis and laboratory testing are also the basis of many damage assessments, as they provide crucial information about the cause and/or severity of the damage.

The DEKRA Laboratory for Environmental and Product Analysis is the central accredited service provider for chemical analysis matters in the car sector. A wide range of testing and analysis services are available for you to provide damage analysis or quality certificates according to the required specifications. Mechanical testing by the DEKRA Laboratory for Material Testing and Damage Analysis supplements this offer providing comprehensive expertise for the whole car industry.

### What DEKRA offers

Our experts at the laboratory sites in Stuttgart, Halle and Saarbrücken are available to help with any questions about your products or plants. Your advantages:

- > Expert advice and support
- > Accredited laboratory analysis and accredited testing methods
- > Comprehensive range of services
- > Fast, reliable results
- > Meaningful test reports and expertise
- > Professional testing or sampling on site, as required without any unnecessary disturbance to your business processes
- > Confidence when dealing with authorities by working together with our internationally famous, renowned DEKRA Measuring and Testing Centres

We support you right from the start: practically, simply and permanently. And always with a view to your goals.



## Summary of our services

The DEKRA Laboratory for Environmental and Product Analysis is the central contact for any chemical analysis matters. Together with the DEKRA Laboratory for Material Testing and Damage Analysis we offer you comprehensive services from one source. For initial sampling and regular series analysis as well as in cases of damage – safe, fast and reliable.

### Car chemicals

- > Chemical analysis of contents
- > Determination of physical and chemical characteristics
- > ADR/dangerous goods labelling
- > Performance tests and material compatibility testing
- > Car cleaning/care products
- > Coolants
- > Lubricants
- > Damage and residue analysis of oils, fuel and brake fluids
- > Oil and chemical binders

### Car parts and components

- > Hazardous substance analysis: RoHS, REACH, PAH, phthalates, heavy metals, flame retardants
- > Technical cleanliness, residual dirt VDA 19 / ISO 16232
- > Emissions from car interior materials
- > Test chamber tests
- > Residual analysis
- > Paintwork comparison analysis
- > Fire residue analysis on fire accelerants

### Material testing

- > Mechanical and technological testing
- > Non-destructive testing
- > Metallography
- > Corrosion testing
- > Polymer testing
- > Material compatibility tests
- > Hot light aging
- > Environmental simulation tests
- > Material damage expertise

## Our experience

Everyone is talking about safety. We are doing something about it. Regardless of whether it's for information or advice, for measuring, testing or certification: we are not far away from you. Or do you know any other safety service provider who is there for you all over Germany with such a comprehensive, standardised range of services and consistent quality?

Get an idea of our services for materials testing, environmental and product analysis or talk to us personally straight away.

We look forward to talking to you.

## Other services you benefit from

DEKRA also offers you professional testing and consultancy services in many related areas, including:

- > International product certifications
- > Testing and inspection services in Europe and Asia
- > Dealing with REACH & CLP
- > Hazardous substances management and analysis
- > Environmental analysis
- > Waste management and environmental protection

And much more.

### DEKRA Automobil GmbH

Laboratory for Environmental and Product Analysis  
Handwerkstrasse 15 • 70565 Stuttgart • Germany  
Phone +49.711.7861-3548  
Fax +49.711.7861-3534  
testlab@dekra.com

[www.dekra.com](http://www.dekra.com)



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