

# CONSUMER PRODUCT TESTING

Analysis to be sure.



# Who are we?

GALAB Laboratories is an independent, privately owned analytical laboratory based in Hamburg, Germany. As one of the leading players in the field of trace analysis and a continuous innovator regarding new analytical methods, GALAB has been serving customers from various industries all over the world for more than 30 years. Our service is oriented towards the needs and wishes of our individual clients, as we advise each of them tailored to their needs.



**1992** Foundation of GALAB in Geesthacht, Germany.



**2000** Analysis of trace chemicals in consumer products.



**2007** First food contact material (FCM) Analysis.



**1998** Development of the organotin method.



**2006** Inception of the GALAB Pesticides 500Plus® multi method.





**Dr. Jürgen Kuballa**  
CEO



**Dr. Eckard Jantzen**  
CEO



**Hans Wunsch**  
COO



**2017** Launch of the SOI  
(Substances of Interest) Program.

**2014** Construction and relocation to the  
new laboratory building in Hamburg.



**TODAY** The world's leading innovator in  
trace analysis for consumer products.

# Product Testing made by GALAB

The overall value of quality for consumer products in today's market has established itself not only concerning their operational usability, but also regarding the absence of harmful substances. This goes so far that consumers are strongly influenced in their purchasing

decisions by the substances contained in a product. Products that are clearly free of chemicals perceived to be harmful are valued more highly by potential buyers than products that are ambiguous about the substances they contain. This is especially relevant when it comes to sensitive applications such as baby- and femcare, or products that come into heavy skin and food contact.



# From one source, at one location



At GALAB, we can assure you that your products are thoroughly analysed by our product testing team concerning a wide range of parameters, so you can be sure that your products are safe for your customers. These analyses are carried out by our highly qualified laboratory technicians, all done in a real „one stop shop“,

meaning all analyses are carried out from one source at one location, our high-tech laboratory in Hamburg. This ensures short communication channels and fast delivery of results in line with the high-quality requirements of our globally active customers.





# Innovative Methods



Thanks to our state-of-the-art analytics and innovative methods, we are members of various trade associations. For example, GALAB maintains a proud and active membership in EDANA, the leading global association of the nonwovens and related industries, dating back 15 years, in which we have collaborated on various projects. We were, for instance, instru-



mental in the development of the EDANA NWSP 360 test method for the determination of trace chemicals in absorbent hygiene products (AHP) using simulated body fluids. Furthermore, we also apply other cutting-edge methods such as FCM migration tests, target screening, industry specifications, GMO cotton testing and extractable leachable tests. Our innovations are second to none and we always strive to achieve even greater excellence.



## Our scope includes, but is not limited to:

PFAS
Dioxins
PCB
Endocrine Disruptors
Allergenic Fragrances
PAH
Primary Aromatic Amines (PAA)
Organotin
Cr(VI)
Parabens

Speciation Analysis
Formaldehyde
Plasticizer Additives
Heavy Metals
Pesticides
Biocides
Phthalates
Microbiology
GMO Analysis
BTEX

Alkylphenols
SOI
PCR Analysis
SVHC
MOSH/MOAH
Elements
Migration Test
10 ppb Screening
Sensory Test
VOC

# GALAB Product Testing Fields



## HYGIENE PRODUCTS

The contents of products that come into close contact with the skin, such as feminine hygiene products like tampons or menstrual pads as well as baby care products like wet wipes or diapers, are a very sensitive issue for consumers. Therefore, a comprehensive and professional analysis is essential to ensure that no harmful substances can endanger their users. GALAB can help you in this highly delicate area. For example, in the case of baby care products, we have defined 19 parameter groups for which we test your products. These include substances that can trigger allergies, as well as toxic and highly carcinogenic substances such as dioxins and PCBs. As an experienced partner, GALAB offers monitoring for these harmful substances and provides its customers with highly qualified advice.



## FOOD CONTACT MATERIALS (FCMs)

For materials that come into direct contact with food, such as food containers or packaging made of paper, cardboard or plastics, the existence of potential contaminants that can be transferred to food is an important issue that should not be taken lightly. These „Food Contact Materials“, also known as FCMs, can be examined at GALAB by means of migration analyses for the presence of harmful substances such as mineral oil, additives or PFAS that could contaminate food products.





### **COSMETICS**

To ensure the safety of cosmetic products, chemical analyses for a large number of parameters are required.

GALAB offers specific analyses for cosmetic products and their raw materials. The analyses include screening for parabens, formaldehyde, phthalates, bisabolol, preservatives, allergenic fragrances and water activity (aW value).



### **TOYS**

In the toy industry, high demands are placed on the absence of undesirable contaminants in products and raw materials. We can offer you chemical analysis according to the EN 71 series of standards or, more generally, PAHs according to AFPS, as well as our multi-element analysis for heavy metals or organotin compounds with high detection power.



### **SOI and R&D**

It is in the best interest of importers, exporters, manufacturers and distributors to identify and eliminate harmful substances in their products in order to protect the end consumer. This is exactly where the GALAB Substances of Interest (SOI) program comes in. We have listed various parameters from different substance groups that are crucial for regular monitoring of product quality. In order to always be on this cutting edge, our research and development department works tirelessly to improve the efficiency of our methods. One example is our GALAB „SafeCycle“ project, which aims to analyse post-consumer recycled (PCR) materials to qualify them for use as food contact materials.



# GALAB Sustainability



GALAB prides itself on its wide range of projects aimed at environmental sustainability. These include our ice storage system for the laboratories' thermal management, the use of solar panels to power electric cars, and our bee-keeping project to support local biodiversity.



**ICE STORAGE** A marvel of thermal management technology, the ice storage system manages to 'store' the temperature of the current season in order to make it sustainably available for the next. Our ice storage system is the largest in the world, with a capacity of one million litres of water.



**SOLAR PANELS** By harnessing the power of the sun through a solar panel system, GALAB obtains energy from a truly renewable source. This energy is then used to power our employees' electric cars.



**BEE-KEEPING PROJECT** By maintaining its own beehives, GALAB supports the pollination of surrounding plants and at the same time enjoys a rich honey harvest, which is made available to the employees. We greatly value and respect the work of our diligent buzzing colleagues who live just a few steps away from our building.

# GALAB Worldwide

While the analytical process itself is carried out in our laboratory based in Hamburg, GALAB maintains subsidiaries all over the world, including Peru, Ukraine, Singapore, the Philippines, Turkey, China and Spain. Our representatives understand local market conditions and can efficiently assist you with your specific needs.



● **Germany**

● Ukraine

● Turkey

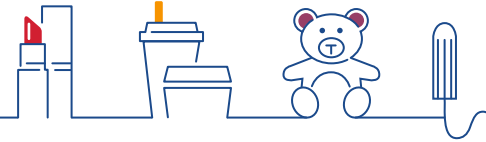
● Peru

● Spain

● China

● Singapore

● Philippines



## Get in touch with us:

GALAB Laboratories GmbH  
Am Schleusengraben 7 | DE-21029 Hamburg, Germany  
[galab-producttesting@galab.de](mailto:galab-producttesting@galab.de) | +49 40 36 80 77 0