

# CHEMICALS & MATERIALS TESTING & ANALYSIS SERVICES

Allentown, PA Overview

**intertek**  
Total Quality. Assured.

# Overview of Chemicals and Materials Services

When you have a complex problem and need to find out 'why', our experts are prepared to answer your questions.

Intertek Allentown provides a wide-range of analytical services for chemicals and materials. Our service offerings provide customized solutions to challenges faced throughout the product development process, including basic research, product scale-up, supply chain verification, manufacturing, and client support.

Intertek Allentown's custom offerings are well suited to answering 'why' questions. When developing, manufacturing, and/or using chemicals and materials, there are a number of 'whys' that can occur.

Some examples of 'why' questions we address include:

- Why does a certain element appear in the product?
- Why do two apparently similar products behave differently?
- Why did the material fail during normal use?

Intertek Allentown provides the expertise to answer these and many other questions. Our expertise in reverse engineering, deformation, and identification of unknowns provides the ability to offer direct solutions to complex problems. In addition, our ability to innovate rapidly allows us to deliver these solutions in a timely fashion.

Our extensive expertise assists clients with a wide variety of materials including polymers, specialty chemicals, electronics, industrial gases, complex formulations, and construction materials. In addition to adapting routine measurements for novel sample types, we stay on the cutting edge by developing new methods for emerging needs, and customized measurement approaches for each environment.

## Laboratory Analysis Expertise

At Intertek Allentown, our decades of experience provide expertise across a wide variety of products, chemicals and materials, including:

EXPERTISE		
Products	Specialty Chemicals	Materials
Polymers and plastics	Additives	Packaging
Emulsions	Lubricants	Catalysts
Health & Beauty products	Curing agents	Zeolites and other sorbents
Adhesives	Epoxy chemistry	Coatings
Electronic components	Polyurethanes	Nanoparticles
Medical devices	Chemical precursors	Composites
	Organic chemistry	
	Inorganic chemistry	
	Surfactants	

# Analytical Testing and Consulting Services

We provide custom solutions to complex problems facing the chemical and pharmaceutical industries.

## Analytical Testing Services

Intertek Allentown clients benefit from years of industrial experience supporting research, development, quality control, product scale-up, and manufacturing.

Our services include:

- Regulatory analytical testing including Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), food contact, premanufacturing notices (PMN), and safety data sheets
- Polymer characterization
- Thermal analysis
- Particle analysis
- Failure analysis of metals, plastics, polymers, ceramics, and rubbers
- Deformulation and unknowns identification
- Quantitative and qualitative analyses of

surfaces, interfaces, and bulk materials

- Development of the structure-property relationships critical for product improvement
- Surface characterization and analysis
- Residue characterization and analysis
- Chemical structure determination
- Volatiles characterization and analysis
- Sorption analysis
- Material science

## Technical Consulting

From advising clients to developing detailed project plans, our scientists offer their expertise across a wide variety of fields to provide solutions to complex problems facing the chemical and pharmaceutical industries.

## Litigation Analytical Services

Our expertise extends beyond analytical testing and consulting to also provide support in patent litigation and product liability cases. We provide not only accurate unbiased data, but also qualified specialists to serve as expert witnesses who can clearly explain and testify to testing results.

## Customized Testing

Since many issues our clients encounter are specific to their product or process, we offer customized testing designed specifically for their needs. Once a customized test or method has been developed for a client, it can be offered on a regular basis to support that client's product development or manufacturing. We can also arrange for repeat testing to methods that are not standard or are unavailable elsewhere.

## Quality

Intertek Allentown is an ISO 17025 accredited laboratory that works with clients around the world. As part of the global Intertek laboratory network, Intertek Allentown can access additional world-class expertise and resources to support client needs.

## The Intertek Advantage

Intertek is a leading Total Quality Assurance provider to industries worldwide. Our network of more than 1,000 laboratories and offices and over 42,000 people in more than 100 countries delivers innovative and bespoke Assurance, Testing, Inspection and Certification solutions for our customers' operations and supply chains. Intertek Total Quality Assurance expertise, delivered consistently with precision, pace and passion, enables our customers to power ahead safely.





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