



# Consumer Product Investigations

## We Take A Closer Look

### Consumer Product Investigations

Applied Technical Services is a Consumer Product Safety Commission (CPSC) accredited lab testing consumer products in compliance with the Consumer Product Safety Improvement Act of 2008 (CPSIA). Whether you are a retailer in need of an analysis of a reported failure (what, how or why it happened?) or an attorney litigating a product liability case, our Forensics team of experts are ready to help.

The Forensics Investigators at ATS provide an objective and science-based analysis which can enhance the client's ability to make informed decisions. From experience, we understand the importance of rendering an opinion (and reasons for them) that will withstand judicial scrutiny and are effectively communicated to the trier of fact.

- Fast Quote-to-Onsite Times
- Goal Oriented to Find Your Needs
- PPAP Reports and Capability Studies
- A2LA Accreditation and ISO-17025 Adherence
- Quality of Service and Training
- Reliable Communication

**Applied Technical Services**

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#### INDUSTRIES SERVICED

ADDITIVE MANUFACTURING - AEROSPACE - AUTOMOTIVE - CHEMICAL  
COMMERCIAL PROPERTIES - CONSTRUCTION - DEFENSE/MILITARY  
INSURANCE/LEGAL - MANUFACTURING - MEDICAL - NUCLEAR  
OIL & GAS - POWER GENERATION - PULP & PAPER - MANY MORE

Our experts are highly knowledgeable and experienced with current compliance regulations. Applied Technical Services labs are ISO 9001 certified and ISO 17025 (A2LA) accredited, and our quality assurance program meets the most stringent industry requirements.

#### Product Failure Analysis & Product Liability

- Investigations (Plaintiff & Defense)
- Consumer Products Examples
  - Appliances
  - Bicycles
  - Deer Stands
  - Hand and Power Tools
  - Ladders
  - Furniture: Chairs, Dressers, Tables ... to name a few
- Patent Infringement



#### Consumer Product Testing Services

Consumer product testing involves a compilation of requirements. ATS can offer services associated with a variety of the most common which include:

- Chemical
- Function
- Physical & Mechanical
- Performance
- Flammability
- Reliability
- Microbiological
- Benchmarking
- Toxicological
- Quality/Defined Parameters

#### Key areas of testing include the following:

- **Chemical testing** for presence of lead, heavy metals, phthalates, formaldehyde, and other restricted organic compounds. As stated by the CPSIA, these compounds and heavy metals are regulated in children's products.
- **Mechanical hazards testing** on children's toys and other items to mainly determine if small parts, sharp points, or sharp edges exist. Mechanical hazards testing may be necessary to ensure children's products are safe for their age group and that the toy does not present itself as a hazard.
- **Flammability testing** to demonstrate that products meet standard requirements of the CPSIA and Code of Federal Regulations.