

LITIGATION SUPPORT SERVICES

ANALYTICAL TESTING AND EXPERT WITNESS

Your Litigation Support Partner

- Global reputation for high quality and robust analytical testing
 - Expertise in a broad range of chemicals, materials, and products
 - Qualified specialists to clearly explain and testify the testing results
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Many types of litigation, including patent protection and product failure, rely on clear and accurate analytical testing data and the ability to explain how, when, and why the data is accurate. Intertek provides a wide range of well understood analytical testing and expert witness to support law firms and companies.

The Challenge

Litigation support requires the combination of a full range of testing that can analyze many different chemicals, materials, and products, and the technical expertise to identify the appropriate testing approach, clearly explain the testing results, and testify to the data obtained. Litigation is a high stakes environment where accurate results from well understood methods are critical. Litigation support requires independent, unbiased sources of testing and highly skilled technical experts to communicate the results in a balanced and clear manner.

Our Solutions

Intertek can provide you with the technical testing support required in preparation for litigation:

- Guidance to the best analytical testing method for the individual situation
- Broad access to robust and well understood testing methods
- Extensive analytical suite to address most chemicals, materials, and products
- Integrated analytical approach that provides ready alternatives
- High quality testing data from ISO certified laboratories
- Careful handling of unique samples, including chain of custody and photographic documentation, long term storage, and protection of proprietary information

CASE STUDY

Patent Protection

A large pharmaceutical company needed to protect its patent from a generic competitor. Using standard analytical testing, Intertek proved that the materials used by the generic were covered by the claims of the patent. By using a range of testing including calorimetry, spectroscopy, and chromatography, a clear characterization of the chemical was generated. The Intertek expert witness was accepted by the court to testify to the testing and the data.

CASE STUDIES

Failure Analysis

After a piece of a crane broke during construction of a building in a large metropolitan area and led to injury at the job site, Intertek analyzed the metal pieces obtained from the scene and established that fatigue driven cracking was responsible for the failure. This data was presented and clearly communicated to the parties involved.

Polymer Patent Protection

To support a patent infringement investigation on a specialty polymer product, Intertek was able to determine the best method to produce data determining key physical properties of a large number of polymer samples, produce high quality data, and clearly communicate the data to the consultant who was the polymer science expert witness for the case.



Test Methods

Intertek litigation support provides a wide range of testing services, including:

- Organic chemical structure analysis
 - Spectroscopy: NMR, IR, Raman, Near-IR, UV-Vis
 - Chromatography and Mass Spectrometry: GC/GCMS, TD-GCMS, LC/LCMS, MALDI-MS, ToFSIMS
- Functional group: Titrations
- Material property analysis
 - Thermal: DSC, TGA, TGA-IR, TMA, thermal hazards (ARC, TSU, CRC)
 - Polymer: Fluid rheology, DMA, permeation (oxygen, moisture), chemical migration
- Molecular weight: SEC/GPC
- Failure analysis
- Morphology: SEM, AFM, optical microscopy

- Inorganic analysis
 - Metals: ICP-OES, ICP-MS, XRF, handheld XRF, AA
 - Anions: ISE, IC
 - Materials: XPS, XRD, sorption (BET, isotherms, uptake), particle size (DLS, zeta potential, LLS), nano-indentation

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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