

Ciba[®] Testing Services

Highly specialized expertise in analytical chemistry and materials testing



- **Material Determination and Characterization**
- **Material Performance Testing and Evaluation of Degradation**
- **Analytical Support**
 - **Determination of Impurities & Contaminants**
 - **Chemical Identification**
 - **Analytcs in Regulated Areas (GLP/GMP)**

Ciba® Testing Services provides customers with state-of-the-art laboratory testing and problem-solving support for their business success.

Ciba® Testing Services is provided by a group of experts who study and analyze chemicals, plastics, coatings, inks, textiles, paper and other materials. These experts are supported by Ciba Specialty Chemicals laboratories, around the globe, which specialize in material performance testing and test method development. Ciba labs are equipped with state-of-the-art instruments and machinery. In addition, our laboratories are equipped for GLP/GMP procedures.

Expert evaluations of failure and degradation of materials include trouble-shooting and identification of appropriate solutions. Our specialists in analytical techniques provide comprehensive analyses and analytical methods development tailored to customer needs.

Material Determination and Characterization

Our testing laboratories are well equipped to characterize a variety of materials and determine their critical physical and chemical properties such as:

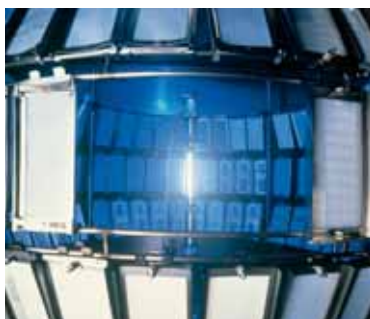
- Surface properties
- Molecular weight distribution
- Water content
- Rheological properties
- Mechanical properties
- Electrostatic properties
- Antimicrobial properties
- Volatile organic compounds
- Additives analysis



Material Performance Testing and Evaluation of Degradation

We offer application specific test method development as well as specific performance testing for automotive, packaging and other industries. Investigation of product performance and product failure includes:

- Weathering test (indoors and outdoors)
- Flame retardancy test
- Polymer processing stability in multiple extrusion, fiber spinning, injection molding and blown film
- Thermal stability in long term heat aging and oxygen induction time test



Determination of Impurities and Contaminants

Our scientific problem-solving experience can assist you in trouble-shooting and identifying solutions.

- Organic trace impurities (dioxins, PCBs PAHs, etc.)
- Residual solvents
- Odor problems



Chemical Identification

Ciba Testing Services can provide qualitative and quantitative analyses of components and formulations.

- Identification of unknown substances
- Identification of compounds in complex mixtures and formulations

Analytics in Regulated Areas

We can facilitate meeting global testing and registration requirements to bring new products to market more quickly.

- GLP Analytics
- Structure elucidation
- Leachable and migration studies
- Identification of extractables including transformation or degradation products

For more information

- Call us in Europe at +41 61 63 68310
in NAFTA at 1-800 431 1900, x4874
- Visit our website www.cibasc.com/expertservices
- Or speak to your local Ciba representative

Ciba® Expert Services
Our Knowledge – Your Advantage