



Analytical Chemistry

The team at Integrated Paper Services specializes in solving problems. Whether you need to identify a substance, verify competitor specifications or evaluate your own materials, our focus is your satisfaction.

We use an integrated approach to troubleshooting which allows our teams to work in close coordination, to offer complementary expertise in analytical chemistry, papermaking, paper and paperboard testing, and fiber analysis.

Including:

- Sound science
- The highest standards for service
- A focus on your needs

***Put our service professionals
to work for you!***

A Problem for Sherlock Holmes...or IPS?

Problem

A hole mysteriously appeared in a paper machine press felt. Reddish brown and green surface contamination was found near the hole and wood debris was recovered from the paper machine. An initial investigation by plant personnel revealed that a painter had been using green paint in the area near the machine.

Solution

IPS conducted careful analysis of the colored particles. Energy dispersive spectroscopy and infrared microspectroscopy were employed. Fibers were also identified in the wood debris, and a new paintbrush was examined for comparison.

This analysis revealed that the contaminants were paint pigment fillers and cellulose nitrate lacquer. In addition the lacquer on the wood debris matched that on the new paintbrush, and the wood species of the debris and a new paintbrush were identical.

Case solved...the IPS way.

For more information contact:

Kathleen Mattingly, Lab Coordinator

Email: customerservice@integratedpaperservice.com

Phone: 920-749-3040 ext. 105

Website: www.ipstesting.com