

Analytical Laboratory



We develop analytical methods and procedures to fully characterize in-process materials and final products derived from renewable forest materials. The analytical data helps advance our understanding of scientific principles and system behavior during production. We actively participate in troubleshooting and problem-solving activities. We also educate academic and industrial students, scientists and engineers on proper analytical technique and in-data evaluation.

Mission:

- Method Development
- Complete Analysis — Mass Balances
- In-process and Final Product Characterization
- Identify and Quantify Products
- Problem Identification

Capabilities:

- Fully Equipped and Staffed Analytical Laboratory
- Analytical Method Development
- Chemical and Physical Testing
- Liquid and Gas Chromatography — HPLC/RI and PDA, GPC, GC-FID & TCD, GCMS
- Atomic and Molecular Spectroscopy — ICP-AES, UV-VIS, FTIR and NIR
- TOC/TN, viscosity, pH, conductivity, particle size, moisture
- Karl Fisher Titration, extraction, hydrolysis



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