



## Laboratory Specialist, Paper Coating

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### The Company

**ECOSYNTHETIX** engages in the development, manufacture, and commercialization of bio-based technologies to replace petroleum-based industrial products. Current and developing markets include adhesives, construction products, personal care products and a strong focus on the paper, paperboard and packaging market segments. We have recently opened our Centre of Innovation in Burlington, Ontario, which is now home to our product development and applications testing laboratories and our state-of-the-art pilot plant. We are seeking to add to our dynamic team of professionals who share a passion for developing and commercializing sustainable, bio-based chemistries and polymers.

### The Position

The Laboratory Specialist is responsible for the design, execution, and reporting of paper and paperboard coating projects. This hands-on position is involved in all aspects of conducting paper and paperboard laboratory testing including developing and implementing the latest test procedures and ensuring equipment calibration and maintenance standards. Paper and Paperboard application projects are directed toward customer acceptance and commercialization as well as product development applications testing. This position is focused on enhancing and expanding the EcoSphere<sup>®</sup> biolatex<sup>®</sup> binder platform.

### Key Responsibilities

- Design and execute laboratory experiments to evaluate prototype biolatex<sup>®</sup> binders in paper and paperboard coating applications.
- Interpret and report laboratory results to scientists, field technical service representatives and directly to customers.
- Develops and implements new methods and processes for the testing and characterization of bio-based polymers in coating formulations.
- Translate customer requirements into laboratory projects.
- Formulate paper and paperboard coatings and test key properties such rheological behavior.
- Apply formulated coating colors to paper and paperboard substrates with various laboratory application methods.
- Test coated paper and paperboard properties for optical properties and laboratory print performance.
- Maintain paper test equipment calibration and maintenance program and records.

### Position Requirements

- Minimum of 10 years industry experience in a paper coating laboratory setting.

- Sound understanding of all paper and paperboard market segments and key technical and commercial drivers for each segment.
- Ability to formulate paper and paperboard coatings and a demonstrated knowledge of pigments (Kaolins and Carbonates), binders (Styrene-Butadiene and Styrene-Acrylic) and additives used in the coated paper and paperboard industries.
- Experience with a wide range of coated paper and board laboratory testing equipment and techniques is required, including coating rheological measurement equipment such as Haake, ACAV, or Hercules high shear viscometer, coating water retention testing methods, paper optical and color testing methods, and laboratory print testing procedures utilizing Prufbau, Deltack or IGT printability tester.
- Experience the DT Paper Science laboratory coater would be a significant benefit.
- Strong problem-solving skills and proven project management skills.
- Exceptional written and verbal communication skills, including report writing.
- Proficient with computer applications (Outlook, Excel, Word, PowerPoint,).