



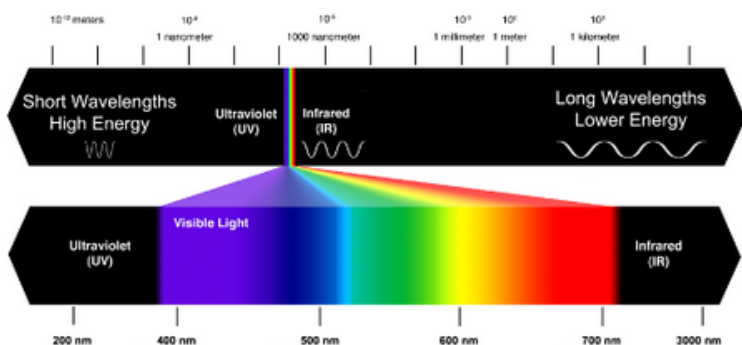
# Director of Research & Development Dyes

## Position Summary

Epolin, the leading manufacturer of Near Infrared (NIR) dyes globally, is seeking an experienced, R&D dye chemist to assume leadership of our R&D and production synthesis activities. The successful candidate will have the opportunity to learn Epolin's current synthesis methods from the current R&D director and will assume that role leading our small-scale synthesis and larger scale production team. This full-time position located at our Newark NJ, USA facility and allows for work schedule flexibility.

## Essential Duties and Responsibilities

- Organic & organometallic dye synthesis and research
- Small scale dye production and support of pilot scale manufacturing
- Raw material and intermediate qualification and supplier management
- Continuously improve the quality, yield, safety, and scalability of nw & existing products
- Manage the R&D innovation pipeline and associated deliverables
- Ensure laboratory activities are conducted to established safety and regulatory requirements.
- Evaluates data from laboratory testing, QA and batch records to ensure quality while identifying improvement opportunities for standardization within future SOPs.
- Maintains production lot, lab notebook and project documentation



Epolin Products and Development are focused on the 200nm to 3000nm range of the spectrum





## Required Qualifications

- Ph.D. in Chemistry with 3+ years' experience within an organic chemistry laboratory, pilot scale and production environment.
- In-depth knowledge of metallo-organic synthesis of light absorbing dyes.
- Prior R&D experience synthesizing Phthalocyanine, Porphyrin, Dithiolene, Polymethine, Squarylium, Cyanine, Quinone, or Rylene chemistries
- Working knowledge of: Characterization of synthesized molecules; Purification and isolation; Spectral analysis; lab instrumentation and analytical techniques.
- Excellent laboratory and safety practices
- Demonstrated technical proficiency, strong integrative analytical skills, and scientific creativity.
- Maintains high level of scientific knowledge related to ongoing developments within NIR and visible dyes.
- Candidates with a Master's degree and 5 years of experience may be considered.

## Desired Competencies

- Initiative - works independently and can assess risks with little or no supervision
- Judgment - exhibits sound decision making and communicates rationale where appropriate
- Problem Solving - able to identify problems, collect data, draw conclusions and implements sound solutions.
- Safety – Exhibits the highest level of concern for ongoing safety improvement. Ensures safe and environmentally sound procedures and working practices are utilized by all employees.
- Quality - Monitors processing conditions and product quality data with the goal of continuous improvement of quality and yield.
- Planning/Organizing - prioritizes and efficiently plans work to complete projects on time with appropriate documentation. and within budget. Supports and effectively communicates with other departments.
- Teamwork – acts as part of a cohesive team by balancing individual and team responsibilities. Engages in open communication and supports the organization's goals and values.

## **Compensation**

Epolin offers an attractive compensation package that includes a competitive salary, bonus opportunity, 401K and a complete benefits package. Qualified candidates may be eligible for visa sponsorship.

## **Company - Epolin**

For 30 years Epolin has pioneered the development and manufacture of near-infrared absorbing dyes, inks, and thermoplastic compounds. We are recognized globally for our expertise in optimizing near-infrared and visible light transmittance in plastic injected molded & cast parts, film extrusions, laminates, pressure sensitive adhesives, and coatings. Epolin's dyes are used in a myriad of thermoplastic and thermoset polymeric materials including polycarbonate, acrylic, polyamide, cellulose propionate, polystyrene, PVC, vinyl, COC, and polyurethane.

Epolin is a wholly owned subsidiary of Chroma Color Corporation.

Epolin is an Equal Opportunity Employer

**Resume or CV submissions containing job title may be emailed to:**  
**[careers@epolin.com](mailto:careers@epolin.com)**

**To learn more about Epolin: <https://epolin.com/>**

