



Analytical Chemist

Position Summary

Trinity Manufacturing is a growing chemical manufacturing company seeking an experienced Analytical Chemist to lead analytical method development and support both development and commercial manufacturing activities. This role plays a critical part in ensuring accuracy, consistency, and innovation in analytical processes across pilot-scale and full-scale production.

Key Responsibilities

- Lead the development, optimization, and validation of analytical methodologies for new and existing products
 - Apply innovative analytical techniques, new technologies, and statistical approaches to ensure reliable and reproducible results
 - Support analytical method development for kilo-scale and multi-kilo pilot and commercial manufacturing campaigns
 - Provide analytical support for internal laboratory requests and technical service needs
 - Oversee method transfer, validation, and analytical testing at external contract manufacturing organizations (CMOs)
 - Interpret analytical data and provide scientific insight to support process development and scale-up
 - Prepare detailed technical documentation to support regulatory submissions (e.g., PMNs) and patent applications
 - Communicate scientific findings effectively to both technical and non-technical stakeholders
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Qualifications

Required:

- PhD in Analytical Chemistry or closely related field
- Strong background in analytical method development and application
- Hands-on experience with analytical instrumentation, including:
 - GC, HPLC, IR, UV, ICP, IC, XRF, DSC, TGA
- Experience with structure elucidation using:
 - NMR, GC-MS, LC-MS
- Strong problem-solving skills and sound scientific judgment

- Excellent written and verbal communication skills
- Proficiency in Microsoft Office (Word, Excel, PowerPoint) and PerkinElmer software

Preferred:

- Up to 10 years of experience in analytical research or development (post-doctoral work considered)
 - Experience supporting process scale-up and manufacturing environments
 - Familiarity with statistical analysis or Design of Experiments (DoE) software
 - Experience working in regulated environments with knowledge of GLP/GMP standards
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Additional Attributes

- Demonstrated scientific creativity and independent thinking
 - Strong collaboration and interpersonal skills
 - Ability to manage multiple priorities with strong organizational skills
 - Commitment to continuous learning and staying current in the field
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Why Join Trinity Manufacturing?

- Opportunity to work on both development and commercial-scale projects
- Collaborative, team-oriented environment
- Growing organization with strong technical focus