

Formulation Technologist Job Description

- Lead the development of new product formulations based on marketing requirements
- Conduct applied research to identify ingredients, solvents, and component ratios to create desired qualities.
- Run lab tests to try out and refine different versions of our products
- Check that the various ingredients and materials we use can work together smoothly and stay potent over time
- Judge qualities like color, smell, thickness, and texture using descriptive tests
- Track chemical and physical changes while we're making stuff
- Figure out why some current products don't meet our standards anymore and fix the issues
- Tweak formulations to make them work better, be safer, etc.
- Make sure all products we create follow safety, quality, and legal rules
- Document everything about our formulation processes, tests, analyses, specs, etc.
- Coordinate lab and test batches of new or updated formulations
- Collect and analyze how well prototypes of products perform
- Confirm ingredients and source materials meet quality specifications
- Communicate closely with purchasing, production, quality control, and other teams
- Offer formulation expertise and technical support during production runs
- Stay on top of formulation science principles, ingredients, chemical interactions, quality standards, etc.
- Research and evaluate new ingredients, solvents, stabilizers, component materials, etc.
- Develop and validate analytical test methods for source materials and end products

- Review production records and samples to spot ways to improve formulations
- Follow formulation patents and competitor products to recommend enhancements for ours
- Train technical staff on formulation methods and safety procedures
- Make sure equipment gets used, maintained, and calibrated properly
- Show and promote environmental responsibility when we source, test, and develop stuff
- Carefully follow all safety rules for handling hazardous materials and rocking protective gear
- Keep super detailed electronic records on formulations, experiments, results and stability tests.