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## **Electroforming Chemist Job Description**

### **Basic Job Functions**

- Carry out periodic (weekly, monthly, quarterly) tank testing, including pH, deposit stress, composition, hardness and ductility tests. Maintain tank logs. Make necessary additions. Perform required tank maintenance, filter changes, purification treatments, etc.
- Perform chemical calculations, providing the electroforming team with recipes of solutions that need to be prepared and general guidance on the suitability of various chemistries for products under consideration
- Actively participate in process and product development and production team meetings
- Maintain and update chemical inventory. Order chemicals and anode material when necessary
- Maintain MSDS sheets and enforce safe practices in the electroforming department and chemical laboratory

### **Experience**

- No less than 3 years of related experience

### **Education**

- A 2-4 yr college degree in Chemistry or a related discipline

### **Qualified candidates must be skilled in:**

- Analyzing plating baths using wet chemistry techniques (titrations)
- Proficient in using computer applications - spreadsheets, text editors, databases
- Have thorough knowledge of basic and inorganic chemistry, be able to write and balance chemical equations, carry out chemical calculations for solution preparation
- Familiar with laboratory techniques, able to use common laboratory equipment and instruments - pH, conductivity meters, hot plates, fume hoods, etc.

### **Personal Qualities**

- Self Starter requiring a minimum amount of supervision
- Creative, proactive, organized and systematic in problem solving, excellent attention to detail
- Good ability to work with others and a genuine interest in being part of a team