eurofins | EAG Laboratories

Drive Supply Chain Efficiency with Testing Support from EAG

Why is the product failing?
Why is it not working properly during production?
Does it contain a hazardous substance?
Has the supplier made any changes to their material?

EAG Laboratories provides clients with answers to these questions and more with testing support for every stage of the supply chain.

- Evaluate and pre-qualify suppliers
- Integrate testing into quality management
- Ensure safety of materials and product
- Understand product reliability and failure
- Catch defects early
- Streamline production costs
- Follow compliance standards

Identifying Materials

EAG Laboratories uses over 30 different materials characterization methods to provide answers to our customers.

- Testing of new concepts, materials, processes, designs and tools
- Qualify incoming materials
- Monitor process changes and performance
- Investigate problems and their source

Testing for Impurities

Impurities play a variety of roles, affecting the performance, the reliability and the lifetime of many materials, parts and devices.

Over the past three decades, EAG has established a full suite of purity analysis services that feature advanced analytical techniques, a comprehensive reference material database, scientific expertise for problem solving, and rigorous data security and IP confidentiality practice.

Contact Our Team

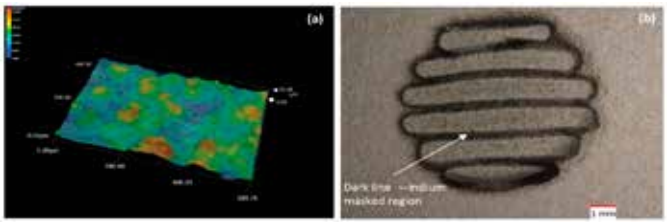
EAG supports clients with 600+ highly-educated employees and 20+ facilities located around the world.

800-366-3867

EurofinsEAG.com

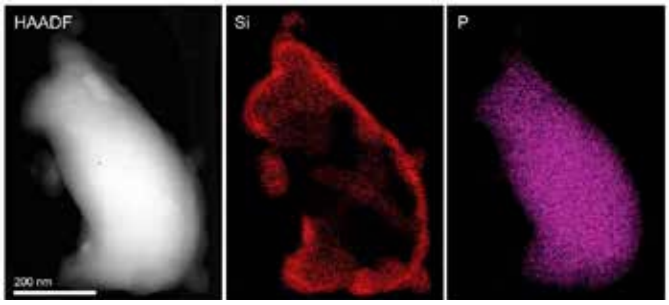
Listed below are a few samples of available EAG publications about supply chain improvements. For a full copy of the publications, please contact our team.

Full Survey Chemical Analysis of Plasma Resistant Ceramic Coatings

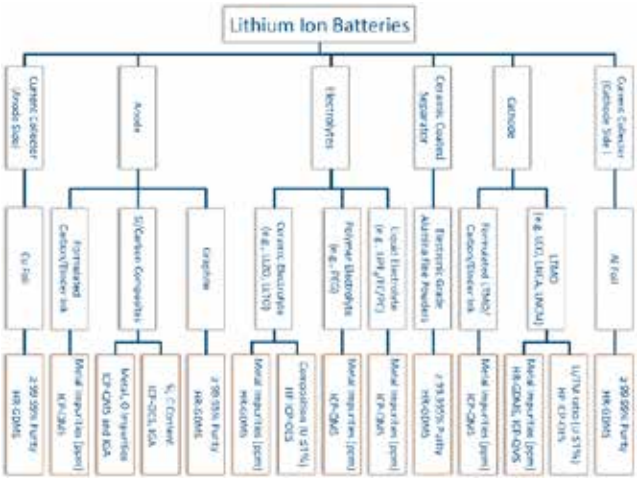


SYNOPSIS: In the semiconductor industry in general and particularly in liquid crystal display manufacturing, several processes involve plasma etch and plasma clean. The high-speed plasma stream can be extremely corrosive to manufacturing compartments resulting in formations of residual particles and device defects. To minimize particle formations, plasma resistant ceramic coatings are required on various components. Direct sampling GDMS test method is effective for trace analysis of coatings.

Characterization of Bioceramics for Surgical Implants: Precursor Qualification



SYNOPSIS: The safety and reliability concerns regarding bioceramics originates from the potential prolonged leaching of ions in the physiological environment, from the integrity of the tissue/implant interface, and from the fatigue fracture and wear behavior of load-bearing implants. A multi-technique approach is essential to fully characterize these materials.



Full Survey Chemical Analysis of Materials Used in Lithium Ion Batteries

SYNOPSIS: Advancement in lithium ion batteries requires a comprehensive approach. Each processing step introduces defects into battery components and calls for innovative characterization solutions. Adaptation of advanced analytical techniques is key for discovering and validating new avenues toward batteries with higher energy density, higher power density, better rate capacity and longer cycle life, and for unravelling the unanswered degradation mechanisms.