Contact: info@applus.com

Positive Material Identification

Positive material identification (PMI) is an important analysis performed to confirm the intended materials meet the required specifications and characteristics. Using elemental detection methods, clients receive the detailed chemical-analysis reports required for code calculations and material-grade verification.
General testing protocols are easily deployed, and in most cases, our PMI technicians can perform the analysis on the client's site. Additional capabilities include verifying the presence of lead in materials that require proper handling and abatement to ensure the safety of personnel.

THE Applus+ SOLUTION

Applus+, with our advanced material identification procedures, can perform onsite chemical analysis and grade verification of questionable materials typically used across most general industries. Our technicians can perform alloy sorting and verification using an array of XRF and OES analysers to confirm a material's grade prior to installation.

PMI on carbon-based materials require the use of optical-arc spectrometers, which are used when lighter elements require reading. Both methods require minimal surface preparation and in some instances no prep-time. With historical records in our materials-data library, Applus+ also can positively identify and quickly verify many materials in very short lead-times.

Target customers

All industries sectors make use of the positive material identification services at Applus+.

Key customer benefits

Benefits of positive material identification include:

- On-site PMI technology
- Fast material-identification services on general materials
- Rapid and accurate PMI analysis and results
- Minimal preparation in most cases
- Large materials-data library for rapid PMI
- Lead-presence PMI
- Required alternative for missing original materials reports