



How do you shape tomorrow's aviation?

Our laboratories have the skills and experience to analyse and troubleshoot every step of the aerospace flight process

Driving innovation and quality: we know how

Eurofins | EAG Laboratories is your R&D partner, helping you make create faster, safer and more reliable aircraft. From product development through aftermarket field failures, we apply the most advanced analytical methodologies to answer complex engineering, manufacturing and electronics problems. In research, development and production, Eurofins | EAG Laboratories can test, stress and perform failure analysis at every part of the process—from wafer through system level. We work alongside your technical staff to help formulate and troubleshoot the next generation of aerospace materials.

Purity certification and QA/QC monitoring

Eurofins | EAG Laboratories provides production support for QC/QA of critical trace and ultra-trace levels of elemental impurities in ingots and manufactured parts, and in the raw metal powders that go into nickel base superalloys, titanium alloys, cobalt alloys, and other alloys.

Coatings analysis

We have years of experience providing depth-specific distribution measurements and full chemical survey characterizations of engineering coatings, including contaminant identification.

Ceramic matrix composites (CMCs) testing

Eurofins | EAG Laboratories offers full structural characterization of CMC materials, including chemical composition,

impurities, microstructure, and interface chemistry of reinforcement fibers (SiC, SiCN and carbon fibers.) High temperature outgassing assessments further assures material integrity.

Metallurgical failure analysis

Our engineers have been involved in many failure analysis investigations, including fractures, fatigue, slow crack growth mechanisms, brittle and ductile overload, stress corrosion and hydrogen embrittlement, corrosion/oxidation, contamination, wear, heat treatment, stress-related failures and plating problems.

Destructive physical analysis (DPA)

DPA testing is performed on materials used in aerospace, commercial, military, and government applications. DLA (Defense Logistics Agency) certified for various MIL-STD testing requirements, EAG's DPA capabilities include Fine Leak, Gross Leak, Die Shear, Bond Strength, P.I.N.D. Testing, Radiography, SEM inspection and Microsectioning.

Residual gas analysis (RGA)

Eurofins | EAG Laboratories has DLA suitability for MIL-STD-883 and MIL-STD-750, Method 1018 Internal Water Vapor Content. Our RGA can determine the moisture content, as well as analyze all gasses with molecular weights between 1-140 mass units.

IC and electronic system test, reliability and failure analysis services

Eurofins | EAG Laboratories provides a full range of services and turnkey lab ecosystem to support ATE (IC) and System level testing, component and module reliability and failure analysis.

Litigation support services

Eurofins | EAG Laboratories engineers and scientists provide scientific expertise, data interpretation, expert testimony and analytical support in defect investigations of air frame structures, landing gear components and other aircraft components for insurance adjusters, aerospace companies and other entities.

