

Metal Alloys

Aim of the Program

This proficiency testing program aims to assess laboratories' ability to competently perform chemical analysis of a metal alloy sample; and to provide participants with external quality assurance to enhance accuracy and reliability.

Application of the Program to Accreditation

Participation in this proficiency testing program satisfies the requirements of ISO/IEC 17025:2017 – *General Requirements for the Competence of Testing and Calibration Laboratories* for monitoring performance by comparing results with other laboratories.

Program Details

The Metal Alloys program is a biannual program comprised of two rounds per year.

Samples – One metal disc with alloy type varying from round to round.

Tests – Carbon, chromium, cobalt, copper, manganese, molybdenum, nickel, phosphorus, silicon, sulfur and vanadium.

Statistical Analysis:

A robust z-score technique is used to assess performance.

Reporting:

At the conclusion of each round, each participant receives a confidential individual summary sheet, detailing its performance in the program, and a final program report summarising all participant data.

Confidentiality

Each participant is assigned a unique code number, keeping all results anonymous in all PTA reports and publications.

Fees and Further Information

For information on program fees or other enquiries, please contact PTA directly:

Email: ptaenquiry@pta.asn.au