



ASTM International Technical Committee E01 on Analytical Chemistry for Metals, Ores, and Related Materials

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Committee E01 Webpage:

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Established: 1990

Number of Members: 235

Number of Standards: 123

Global Participation: 20 Countries represented

The standards are available in: *Volume 03.05 in the Annual Book of ASTM Standards*

Meetings: E01 meets twice each year, in May and November

SCOPE:

To prepare, evaluate, and issue test methods, practices, guides, and terminology for chemical and spectrochemical analysis as they apply to sampling and testing of metals, ores, and related materials; other practices including interlaboratory testing and statistical evaluation; physical testing of refractories and liaison with other ASTM Committees, especially those which write specifications.

The Committee shall promote knowledge and stimulate research in analytical chemistry for metals, ores, and related materials. The work of the Committee shall be coordinated with other ASTM Committees and other organizations having mutual interests.

SUBCOMMITTEES:

E01.01 Iron, Steel, and Ferroalloys

E01.02 Ores, Concentrates, and Related Metallurgical Materials

E01.04 Aluminum and Magnesium

E01.05 Cu, Pb, Zn, Cd, Sn, Be, Precious Metals, their Alloys, and Related Metals

E01.06 Ti, Zr, W, Mo, Ta, Nb, Hf, Re

E01.08 Ni and Co and High Temperature Alloys

E01.20 Fundamental Practices

E01.22 Laboratory Quality

E01.23 Terminology and Editorial

PROFICIENCY TESTING PROGRAMS:

- Aluminum (Chemical Analysis)
- Determination of Gold Bullion by Cupellation
- Plain Carbon and Low-Alloy Steel (Chemical Analysis)
- Stainless Steel (Chemical Analysis)

A FEW KEY DOCUMENTS:

- E415 Standard Test Method for Atomic Emission Vacuum Spectrometric Analysis of Carbon and Low-Alloy Steel
- E1019 Standard Test Methods for Determination of Carbon, Sulfur, Nitrogen, and Oxygen in Steel, Iron, Nickel, and Cobalt Alloys by Various Combustion and Fusion Techniques
- E1601 Standard Practice for Conducting an Interlaboratory Study to Evaluate the Performance of an Analytical Method

