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

Established: 1990
Number of Members: 210
Number of Standards: 132
Global Participation: 12 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.

TECHNICAL SUBCOMMITTEES:

E01.01 Iron, Steel, and Ferroalloys
E01.02 Ores, Concentrates, and Related Metallurgical Materials
E01.03 Precious Metals
E01.04 Aluminum and Magnesium
E01.05 Cu, Pb, Zn, Cd, Sn, Be, 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)
- Steel: Mechanical Properties Testing

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 and in Iron, Nickel, and Cobalt Alloys
- E1447 Standard Test Method for Determination of Hydrogen in Titanium and Titanium Alloys by the Inert Gas Fusion Thermal Conductivity/Infrared Detection Method
- E1601 Standard Practice for Conducting an Interlaboratory Study to Evaluate the Performance of an Analytical Method

Visit the ASTM Committee E01 Webpage:
http://www.astm.org/COMMIT/E01.htm

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