

# ASTM International Technical Committee E13 on Molecular Spectroscopy and Separation Science

## Scope

Committee shall be the advancement of the fields of analysis to include molecular spectroscopy and separation science. These disciplines involve absorption, luminescence, scattering, and polarization of radiant energy; nuclear magnetic resonance; and the field of chromatography, and mass spectrometry. Advancement of these fields is accomplished by sponsoring meetings and symposia for presentation of papers, by standardizing terminology relating to analysis for molecular spectroscopy and separation science, and by coordinating and formulating scientific practices and methods of analysis. The work of the Committee will be coordinated with other ASTM committees and other organizations having mutual interest.

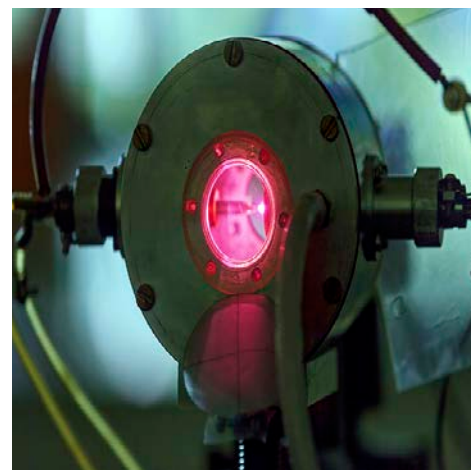
## Technical Subcommittees

- E13.01 Ultra-Violet, Visible, and Luminescence Spectroscopy
  - E13.01.01 Molecular Luminescence
  - E13.01 UV/VIS Task Group
- E13.03 Infrared and Near Infrared Spectroscopy
- E13.08 Raman Spectroscopy
- E13.09 Fiber Optics, Waveguides, and Optical Sensors
- E13.10 Molecular Spectroscopic Optical Imaging
- E13.11 Multivariate Analysis
- E13.15 Analytical Data
  - E13.15.01 NMR
  - E13.15.02 AnIML Task Group
- E13.16 Chemical Sensors
- E13.19 Separation Science

## Key Documents

- E275 Standard Practice for Describing and Measuring Performance of Ultraviolet and Visible Spectrophotometers
- E355 Standard Practice for Gas Chromatography Terms and Relationships
- E1252 Standard Practice for General Techniques for Obtaining Infrared Spectra for Qualitative Analysis
- E1655 Standard Practices for Infrared Multivariate Quantitative Analysis
- E2105 Standard Practice for General Techniques of Thermogravimetric Analysis (TGA) Coupled With Infrared Analysis (TGA/IR)

**Learn more about Committee E13**  
[www.astm.org/COMMIT/E13](http://www.astm.org/COMMIT/E13)



## Quick Facts

**Established** 1950  
**Number of Members** 125+  
**Number of Standards** 62  
**Global Participation**  
 12 Countries represented  
**The standards are available in**  
 Volume 03.06 in the *Annual Book of ASTM Standards*  
**Meetings** E13 meets once a year independently

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