

Demonstrate Readiness and Ensure Optimal Performance



When precision and accuracy are essential, confidence in the performance the products and instruments you bring to market is critical. Employing unbiased scientific experts to conduct third party testing and evaluation (T&E) services during product development provides your team with an objective performance assessment. Engaging in third party T&E also demonstrates your product's readiness and communicates to customers a dedication to excellence and reliability in product development.

For over 20 years, Signature Science's (SigSci) subject matter experts in explosives, narcotics,

and chemical threats have performed comprehensive T&E on broad array of techno-

logies including mass spectrometers, ion mobility spectrometers, fourier transform infrared (FT-IR) spectroscopy, Raman spectroscopy, and custom collection systems. SigSci maintains rigorous quality control systems and standard operating procedures to ensure reliable results and is licensed and equipped to test and array relevant threats. Threat assessment capabilities include testing for various aerosols, pharmaceutical compounds, explosives, narcotics, chemical simulants and precursor materials, and customized test materials.

signature
science[®] LLC

www.signaturescience.com

Testing & Evaluation Facilities & Services

Signature Science laboratory facilities in Austin, TX and Charlottesville, VA are spacious and fully equipped to meet your T&E needs. Our team offers:

Services

- Third party independent testing and evaluation
- Testing services for explosives, narcotics, chemical warfare simulants, precursors, and related compounds
- Library generation with range determination
- Limit of detection and response curve testing
- Precision and accuracy studies
- Interferent testing
- Technology development support including redesign and engineering services
- Development and implementation of test beds
- Analytical method development and validation
- Testing according to American Society for Testing and Materials (ASTM) Standards
- Selection and preparation of reference standards for field use

Licenses

- DEA licensed facilities in Austin, TX – Receipt, Handling, Synthesis, and Storage of all scheduled DEA compounds.
- ATF licensed facilities in Austin, TX and Charlottesville, VA – Receipt, Handling, Synthesis, and Storage of all high explosives (primary*, secondary, and tertiary)



Facilities

- Ample analytical laboratory and testing spaces for equipment evaluation
- Chemical analysis equipment including GC/ MS, LC/ MS, and LC/HRMS systems; ion chromatography; spectroscopic instruments (e.g., FTIR, UV-Vis, fluorescence) for ground truth evaluation of test samples
- Vapor delivery system with temperature and humidity control for precise delivery of mixed gasses
- Aerosol test chamber for on demand testing of chemical aerosols with specific particle sizes and concentrations

Featured Service

Testing According to American Society for Testing and Materials (ASTM) Standards

ASTM is an internationally recognized set of standardized methods and protocols that are used to evaluate product performance, consistency, and safety. By following well-defined, industry-approved procedures, ASTM testing helps ensure reliable, repeatable results that you —and your customers—can trust.



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INFORMATION