



MATTRESS AND FURNITURE TESTING AND CERTIFICATION

ACCREDITED FLAMMABILITY, DURABILITY, AND PERFORMANCE TESTING ACROSS THE U.S. AND CANADA.

Mattress and furniture products must meet strict safety and performance expectations before entering homes, institutions, or commercial spaces. QAI provides accredited testing, inspection, and certification through ISO/IEC 17025 accredited labs. We evaluate flammability, structural integrity, and chemical emissions, supported by expertise in North American, British, and international standards to help manufacturers meet regulatory and retailer requirements.

Testing Services and Capabilities

- Fire-resistance evaluations for mattresses, pads, and upholstered furniture
 - 16 CFR 1632/1633 – Smoldering and open-flame resistance of mattresses and pads
 - CAL TB 117 – Flammability of upholstered furniture materials
 - CAN/CGSB-4.2 No. 27.7-2013 – Cigarette resistance testing of mattresses and pads
 - British and European flammability standards (BS 7177, BS 7175, BS 6807, BS EN 597 series)
- Durability and Performance Testing
- Chemical and Emissions Testing

Typical Products We Test

- Foam, innerspring, hybrid, and crib mattresses, and specialty mattresses
- Mattress pads, toppers, and foundations, and portable sleep systems
- Upholstered residential, commercial, and institutional furniture
- Office seating, recliners, ergonomic chairs
- Furniture components and materials (foam, fabrics, ticking, composites)

About QAI

Founded in 1995, QAI is an independent third-party testing, inspection, and certification organization with expertise in building products, electrical, materials testing, metallurgical analysis, and more. QAI supports a wide variety of industries and product types and is trusted by leading global manufacturers.

