

# TruScan

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## Compliance

This technical note outlines the global regulatory, safety and commercial requirements applicable to TruScan operation, and includes the relevant standard, chapter, article, or code. TruScan either meets or exceeds the requirements unless otherwise noted.

### National Institute of Standards and Technology Reference Material

- ✓ NIST White Light Source - Response standard for Raman spectrometers using 785 nm excitation (used for calibration)

### United States Pharmacopeia ID Testing

- ✓ USP 30 Chapter <1120> Raman Spectrophotometry, Qualitative Analysis
- ✓ USP 30 Chapter <197> Identification Testing with Spectroscopy Systems
- ✓ USP 30 Chapter <851> Spectral Range of Spectroscopic Analysis
- ✓ USP 30 Chapter <1225> Validation of Analytical Equipment

### ASTM International Standards

- ✓ E1840-96(2007) Standard Guide for Raman Shift Standards for Spectrometer Calibration (used for calibration)
- ✓ E 131-00a: Standard Terminology Relating to Molecular Spectroscopy.
- ✓ E 456-02: Standard Terminology Relating to Quality and Statistics.

### UL, CE and CSA-listed for:

- ✓ **Intrinsic Safety**
  - UL 913 Intrinsically Safe Certified: Class I, Division 1, Groups A-D, T3C
- ✓ **Safety**
  - UL 61010-1 Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use, Part 1
  - CSA C22.2 No. 61010-1 Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use, Part 1
- ✓ **EMC**
  - EN 61326:1997 + A1:1998 + A2:2001 + A3:2003 Immunity; Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use
- ✓ **LVD Safety**
  - EN 61010-1:03/93 + A2:07/95 European Low Voltage Directive
  - IEC 61010-1:09/90 + A1:09/92 + A2:06/95 IECIE CB Scheme Safety
  - IEC 60825-1:1993 + A1:1997 + A2:2001 European Laser Safety

### United States Food and Drug Administration

- ✓ **Laser Safety for Class 3b device:**  
FDA CDRH 1040.1 (Accession Number 0412714)
- ✓ **Electronic Records & Signatures:**  
21 CFR Part 11 supported.

### International Organisation for Standardization

- ✓ ISO 9001 (2005) Certified Manufacturing Facility at 46 Jonspin Road, Wilmington, MA, 01887 USA.

### European Union Directives and Statements

TruScan is in conformity with the provisions of the following EC Directives

- ✓ Low-Voltage Directive (LVD) 73/23/EEC
- ✓ Electromagnetic Compatibility (EMC) 89/336/EEC as amended by 92/31/EEC and 93/68/EEC
- ✓ Waste of Electrical and Electronic Equipment (WEEE) 2002/96/EC
- ✓ Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS) 2002/95/EC

### European WEEE Recycling and RoHS

The Restriction of Hazardous Substances Directive (RoHS) 2002/95/EC and the Waste of Electrical and Electronic Equipment Directive (WEEE) 2002/96/EC became European Union law in February 2004. The goals of the RoHS directive are to reduce the amounts of hazardous materials in electrical and electronic equipment. The goals of the WEEE directive are to reduce the amount of WEEE produced; and increase the amount of WEEE that is reused, recycled, or recovered.

Ahura Scientific, Inc. is compliant with WEEE and RoHS, offering disposal of its equipment that adheres to the EU directive:

- If you purchased your equipment through an Ahura Scientific reseller, please contact them directly for recycling instructions.
- If you purchased your equipment directly from Ahura Scientific, please contact us at +1.978.642.1132 or email [sales@ahurascientific.com](mailto:sales@ahurascientific.com).

At the time of collection, Ahura Scientific will cover the cost of shipping equipment back to headquarters in the United States. For more information visit [www.ahurascientific.com](http://www.ahurascientific.com).

### FCC and Industry Canada Statements

TruScan has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

This Class A digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numérique de la classe A respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

This is a class A product. In a domestic environment this product may cause radio interference, in which case the user may be required to take adequate measures.

- ✓ FCC Part 15 Subpart B, Class A
- ✓ ICES-003 Industry Canada, Class A
- ✓ CISPR 11:1997 + A1:1999 + A2:2002

## Ahura Scientific

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