# Q-Sun Xenon Test Chamber

Meets the Following Standards:

## General
- ISO 4892-1: Plastics-Methods of exposure to laboratory light sources-Part 1: General Guidance
- ASTM G151: General Guidelines for Exposure of Nonmetallic Materials
- ASTM G155: Xenon-Arc Test Apparatus for Exposure of Nonmetallic Materials

## Automotive
- SAE J2412: Accelerated Exposure of Automotive Interior Trim Components Using a Controlled Irradiance Xenon-Arc Apparatus
- SAE J2527: Accelerated Exposure of Automotive Exterior Materials Using a Controlled Irradiance Xenon-Arc Apparatus

## Coatings
- ISO 11341: Paints and varnishes — Artificial weathering and exposure to artificial radiation — Exposure to filtered xenon-arc radiation
- ASTM D3451: Testing Coating Powders and Powder Coatings
- ASTM D3794: Testing Coil Coatings
- ASTM D6695: Xenon-Arc Exposures of Paints and Related Coatings
- GB 1865: Paints and varnishes - Artificial weathering and exposure to artificial radiation - Filtered xenon arc radiation
- JIS K 5600-7-7: Testing Methods for Paints - Part 7: Long-Period Performance of Film - Section 7: Accelerated Weathering (Exposure to Filtered Xenon Arc)
- MPI: #113: Exterior, Waterborne, Pigmented Elastomeric Coating
- MS 133: Part F14: Methods of Test for Paints & Varnishes: Part F14: Artificial Weathering & Exposure to Artificial Radiation — Exposure to Filtered Xenon Arc Radiation (ISO 11341)

## Pharmaceutical

## Plastics
- ISO 4892-2: Plastics-Methods of exposure to laboratory light sources-Part 2: Xenon-arc sources
- JIS K 7350-2: Plastics-Methods of exposure to laboratory light sources-Part 2: Xenon-arc sources
- DIN EN 513: Unplasticized polyvinylchloride (PVC-U) profiles for fabrication of windows & doors
- ASTM D1248: Polyethylene Plastic Extrusion Materials for Wire and Cable
- ASTM D2565: Xenon-Arc – Plastics for Outdoor Applications
- ASTM D4101: Polypropylene Plastic Injection and Extrusion Materials
- ASTM D4459: Xenon-Arc – Plastics for Indoor Applications
- ASTM D5071: Xenon-Arc Exposure of Photodegradable Plastics
- ASTM D6662: Plastic Lumber decking Boards
- UL 1581: Reference Standard for Electrical Wires, Cables & Flexible Cords

## Textiles
- AATCC TM 16: Colorfastness to Light
- AATCC TM 169: Weather Resistance of Textiles: Xenon Lamp Exposure
- GB/T-8430: Textiles - Tests for colorfastness - Colorfastness to artificial weathering: Xenon arc fading lamp test
- IS: 2454: Indian Standard- Method for Determination of Colour Fastness of Textile Materials to Artificial Light (Xenon Lamp)
Printing Inks/Artists’ Materials/Paper
ISO 11798  Information and documentation – Permanence of writing, printing & copying on paper
ISO 12040  Graphic Technology - Prints and printing inks
ISO 18909  Imaging Materials – Processed photographic colour films and paper prints
ASTM D3424  Lightfastness of Printed Matter
ASTM D4303  Lightfastness of Artists’ Pigments
ASTM D5010  Testing Printing Inks & Related Materials
ASTM D6901  Standard Specification for Artists’ Colored Pencils
ASTM F2366  Lightfastness of Ink Jet Prints Exposed to Window Filtered Daylight

Roofing
ASTM D4434  Poly Vinyl Chloride Sheet Roofing
ASTM D4637  EPDM Sheet Used in Single-Ply Roof Membrane
ASTM D4798  Xenon-Arc – Bituminous Materials
ASTM D4811  Nonvulcanized Rubber Sheet Used as Roof Flashing
ASTM D5019  Reinforced Non-Vulcanized Polymeric Sheet
ASTM D6083  Liquid Applied Acrylic Coatings Used in Roofing

Rubber
ISO 3865  Rubber, Vulcanized or Thermoplastic – Methods of test for staining on contact with organic materials
ISO 4665  Rubber, Vulcanized or Thermoplastic – Resistance to weathering

Adhesives
ASTM 904  Exposure of Adhesive Specimens to Artificial Light
ASTM C1442  Conducting Tests on Sealants Using Artificial Weathering Apparatus

Geotextiles
ASTM D4355  Deterioration of Geotextiles to UV Light

Packaging
ASTM D6551  Accelerated Weathering of Pressure-Sensitive Tapes by Xenon Arc

Sealants
ASTM C1442  Conducting Tests on Sealants Using Artificial Weathering Apparatus
ASTM C1501  Color Stability of Sealants