



Packaging Solutions

UL package testing for all industries

Packaging comes in all shapes and sizes. Whether in a cardboard box, crate, skid or custom designed container, packaging helps to ensure the product will arrive at its destination without being damaged. UL offers package testing to assess the safety and integrity of goods during transport.

Advantages of package testing

- Reduce product claims and complaints
- Safeguard the product
- Decrease costly returns
- Increase brand loyalty
- Minimize the need for trial shipments
- Contributes to reduce waste and carbon emissions

Requirements, procedures and standards

- ISTA series, including FedEx and Sam's Club
- Custom profiles

Package testing equipment

- Rotary vibration
- Mechanical shock
- Vertical compression
- Environmental chambers
- Free fall drop tester

Main hazards during transportation and distribution

- Shock
- Vibration
- Compression
- Atmospheric

Most common packaging failures

- Physical/material defects
- Adhesion/sealing failures
- Migration/leaching
- Labeling failures

Did you know that UL can support you with sustainable packaging solutions:

- Recycled content claim validation
- Validations for the calculation of estimated recyclability rate
- Environmental Claim Validation Program for recyclability of paper-based products
- ECOLOGO® Certification
- Environmental Product Declaration
- Carbon emissions reporting software, UL's Turbo Carbon™

Find out how you can save on costs by testing different solutions to learn what is the most convenient and the most sustainable one, while protecting your packaged product.



UL's laboratory in Singapore, is an International Safe Transit Association (ISTA) Certified Testing Laboratory, meaning that UL can provide the necessary documentation and test reports for the Transit Tested Certification. UL can test a variety of packaging for products including glassware and household items, ready to assemble furniture, medical devices, lighting, toys, juvenile products, appliances, premiums and other products.

UL in Singapore can support you with the following ISTA testing standards:

ISTA 1 Series	Non-Simulation Integrity Performance Tests
Protocol 1A	Packaged-Products weighing 68 kg or Less
Protocol 1B	Packaged-Products weighing over 68 kg
Protocol 1C	Extended Testing for Individual Packaged-Products weighing 68 kg or Less
Protocol 1D	Extended Testing for Individual Packaged-Products weighing Over 68 kg
ISTA 2 Series	Partial Simulation Performance Tests
Protocol 2A	Packaged-Products weighing 68 kg or Less
Protocol 2B	Packaged-Products weighing over 68 kg
ISTA 6 Series	Member Performance Tests
Project 6-SAMSCLUB	Packaged-Products for Sam's Club® Distribution System Shipment
6-FEDEX-A	FedEx Procedures for Testing Packaged Products Weighing Up to 68 kg
ISTA 7 Series	Development Tests
Protocol 7D	Temperature Test for Transport Packaging

For more information or to request a quote [contact us](#) today.



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