



**WESTPAK**  
TESTING. OWNERSHIP. INTEGRITY.

# Product & Package Testing Services



State-of-the-Art Testing Services Since 1986

The optimal package system must carefully balance product ruggedness and the minimum amount of packaging to ensure its safe delivery. Product and package testing in a controlled laboratory environment provides essential information to the teams tasked with achieving the synergy required between these critical components.

## Why Test My Products?

At a minimum, the product's response to vibration and shock should be determined to characterize its overall ruggedness, but other areas of testing should be considered, including temperature, humidity, and altitude.

Product testing is essential to identify potential failures, determine product fragility and ruggedness, and help ensure the end user receives the highest quality product possible. Evaluating product functionality under various conditions is also helpful in performing comparative testing and determining the expected lifespan.

## Tests Offered

### PRODUCT

- Altitude
- Vibration
- HALT/HASS
- Mechanical Shock
- Temperature Extremes

### PACKAGE

- Drop
- Amazon
- Vibration
- Distribution
- Compression
- Incline Impact

## Testing Standards

- |              |                   |
|--------------|-------------------|
| • ASTM D642  | • ASTM D6179      |
| • ASTM D880  | • ASTM D6344      |
| • ASTM D999  | • ASTM D6537      |
| • ASTM D3332 | • ASTM D6653      |
| • ASTM D3580 | • ASTM D7386      |
| • ASTM D4169 | • ASTM D7387      |
| • ASTM D4332 | • ASTM F1306      |
| • ASTM D4577 | • ASTM F1980      |
| • ASTM D4728 | • ASTM F2825      |
| • ASTM D5265 | • ISTA 1A thru 7E |
|              | • ISTA 6-Amazon   |



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## Efficient and Sustainable Package Testing

Every package system gets tested as it moves through the distribution environment. Unless damage occurs in a way that can be obtained and evaluated, there are few opportunities to collect results and draw conclusions about the packaging's effectiveness.

Many products are protected with excessive and expensive packaging, which increases costs and reduces potential profits. Optimization of the packaging and the distribution supply chain are some of the ultimate opportunities for significant cost reduction.

Package testing allows you to optimize the design, reduce associated supply chain distribution costs, and minimize packaging waste and its environmental impact. Verifying the package system will also help deliver a damage-free product to the end user.

### The following steps will help to achieve an optimized package:

- Determine the fragility of the product through laboratory testing
- Evaluate the performance of the proposed or current package system
- Review the test results and determine if any package or process changes are necessary
- Retest to evaluate the validity of the improved design

## Why Choose WESTPAK?

- **Expertise** - Our team possesses decades of experience in testing and analyzing the most demanding product and package challenges across various industries. This knowledge translates into actionable insights for your projects.
- **Accreditation and Quality Assurance** - WESTPAK's laboratories are ISO 17025 accredited, and our testing equipment is rigorously maintained and calibrated to ensure precision and reliability.
- **Customized Testing Protocols** - We offer tailored solutions to meet your unique testing requirements, ensuring the results are relevant and actionable.
- **Comprehensive Services** - From vibration and shock testing to environmental simulations, our range of tests covers all critical aspects of product and package performance.
- **Commitment to Sustainability** - WESTPAK helps to provide invaluable data from testing; allowing our clients to design the most efficient package system by minimizing waste, maintaining performance, and supporting your sustainability goals.
- **On-Time Results** - We understand the importance of timely data in the decision-making process and prioritize delivering accurate results within your deadlines.

WESTPAK simulates distribution environments and all their variables to help you determine if your package system will effectively protect the products through to its final destination.