

Submitted to Stop Drop Sensors, LLC
[REDACTED]
Draper, UT 84020
Attention: [REDACTED], President

Submitted by Alfredo C. Alba, Engineering Manager

Date tested 01/21/2015

Lab test ID# STO012115017

Title ISTA PROCEDURE 1G DROP TEST ON STOP
DROP SAMPLE PACKAGE

Test Objective

To perform the ISTA Procedure 1G Drop Test on one Stop Drop Sample Package. Document observations.

Sampling

12-9/16" x 12-3/8" x 13-1/8" x 21.08 lb. C/B-flute doublewall corrugated fiberboard RSC with glued-in mfg. joint on Edge 2-5. Side 2 corrugation direction parallel with mfg. joint. Side 1 and Side 3 center seams each sealed with two layers of tape; all other tape (shown in Photos 1 and 2)—one layer of tape. Tape = 2" wide white press.-sensitive adhesive packaging tape.

Test Equipment

Equipment	Manufacturer	Model no.	Calibrated	Calibration due
6.2 50 lb. capacity bench scale	Weigh-Tronix Inc.	SC-310-50	06/30/2014	06/30/2015
2.2 Drop tester	L.A.B.	AccuDrop AD- 160	06/05/2014	06/05/2015

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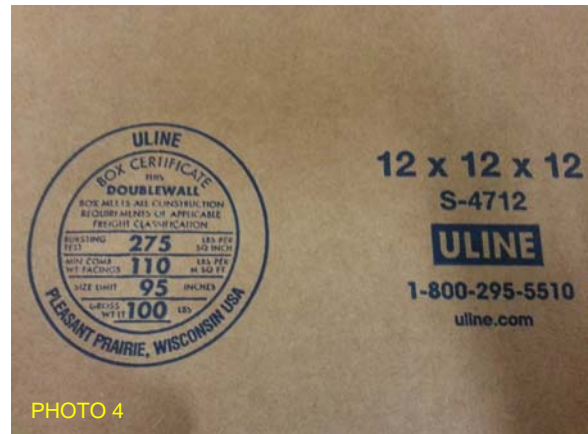
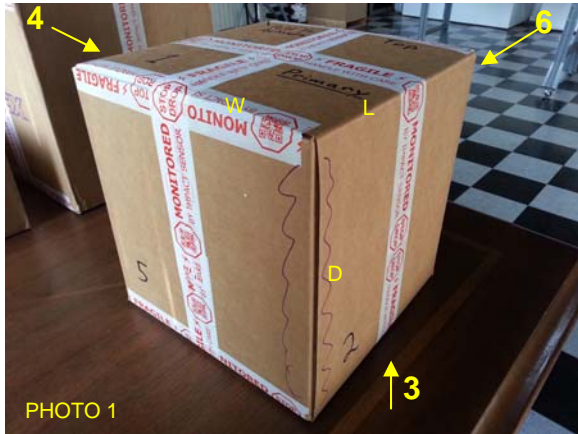
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ASTM, IoPP & TAPPI
Member



Description of Package



Procedure

1. Activate Stop Drop sensor by pulling/removing activation string/activation tab.
2. Perform the ISTA Procedure 1G Drop Test on the above sample. Use 30-inch drop height.
3. Inspect sensor after each drop for activation (i.e. flashing red light).
4. Document observations.

Data/Observations

Drop height: 30 inches (per customer request)

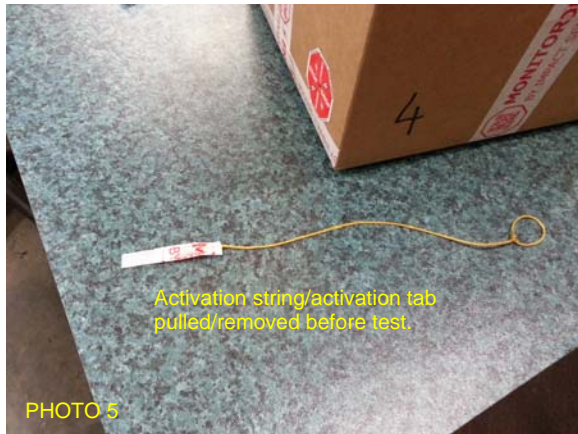
Drop test sequence was as follows:

Corner 2-3-5, Edges 3-5, 2-3, 2-5, Sides 1, 3, 5, 6, 2, and 4.

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Data/Observations (continued)



1. Stop Drop sensor observed not activated after each 30 inch drop. Ten drops total.
2. After completion of test: External container, mfg. joint and sealing tape remained intact.
3. Post-test photos below.



Conclusion

The ISTA Procedure 1G 30-inch Drop Test was performed on one Stop Drop Sample Package. At no time during said drop test did the Stop Drop sensor activate (i.e. flash red).

Test conducted by Alfredo C. Alba
Alfredo C. Alba, Engineering Manager

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