



Technical Report: (9616) 057-0222
Date Received: FEBRUARY 26, 2016

MARCH 05, 2016
Page 1 of 23

SILVIO GISONDI / NADIA PAGLIARO / MONA POURNOROUZ
DOREL ASIA INC
410 E 1ST STREET SOUTH, WRIGHT CITY, MO, 63390, USA

Sample Description:	5-PC DINING SET	Sample Size:	01 PACKAGED PRODUCT
Vendor:	DOREL ASIA INC	VPN:	/
Manufacturer:	TRENDEX CO.,LTD	SKN/SKU No.:	N/A
Buyer:	DOREL ASIA INC.	PO No.:	N/A
Agent:	N/A	Ref #:	/
Labeled Age Grade:	/	Country of Origin:	VIETNAM
Appropriate Age Grade:	/	Assortment No.:	/
Client Specified Age Grade:	/	Department No.:	/
Tested Age Grade:	/	ITEM#:	DA7358
UPC Code:	0-65857-17202-7	Date of Production:	2016.2
Phase of Production:	PRODUCTION	Model/Style#:	DA7358
Color:	DARK RUSTIC/ WHITE	Country of Destination:	USA
Program:	/		
Previous No:	(9616) 048-0091		

EXECUTIVE SUMMARY:

The sample(s) MEETS the following requirement(s):

- The requirement of the test protocol for 09070.1-US, Packaged Product Transit Testing ISTA 3A (150 lbs. or less).

DESCRIPTION OF PACKAGE:

Full telescope design style master container was taped at seam joint and secured by plastic tape.
(Please see enclosed photos 1-4)

The sample product and the inner packaging materials were shown in the photos.
(Please see enclosed photos 5-28)

Quantity of product(s) in master pack is parts of sample.

Note(s):

The submitted sample was tested under WAL-MART's requirement.



DOREL ASIA INC
Technical Report: **(9616) 057-0222**
MARCH 05, 2016
Page 2 of 23

BVCPS Contact information for this report.

Technical questions:

Technical questions: Terry Nguyen, Tel: 848-37421-604 ~ 6; email: terry.nguyen@vn.bureauveritas.com
Technical questions: Ron Nguyen, Tel: 848-37421-604 ~ 6; email: ron.nguyen@vn.bureauveritas.com

Concerns About Billing and General Inquiries:

Primary Contact: Ryan Nguyen, Tel: 848-37421-604 ~ 6; email: ryan.nguyen@vn.bureauveritas.com
Back-up Contact: Abby Pham, Tel: 848-37421-604 ~ 6; email: abby.pham@vn.bureauveritas.com

BUREAU VERITAS CONSUMER PRODUCTS SERVICES (VN) LTD.

TERRY NGUYEN
AUTHORIZE REPORT APPROVER



**BUREAU
VERITAS**

**TEST PROTOCOL FOR
09070.1 - US
PACKAGED PRODUCT TRANSIT TESTING ISTA 3A (150 LBS.
OR LESS) (V11)**

BV Lab Number: **(9616) 057-0222**
 Technician Name: TN
 Test Date: FEBRUARY 26, 2016
 Reviewed By/Date: TN/ MARCH 05, 2016

Evaluation	Citation / Method	Criteria	Results	Rating
LABELING				
Labeling	CPSD-HL-01057-MTHD / Visual	[OVER PACKAGING] Label identifying an "Over-packaged product for drop / vibration testing"; Report if present	NA	/
Labeling	CPSD-HL-01057-MTHD / Visual	[PACKAGED PRODUCT Of Test Package] Label identifying a "Packaged product for drop / vibration testing"	Not Provided	/
Over-packaged	Visual	[OVER PACKAGING] Product and package shall be over-packaged If the sample is not over-packaged, the following result may not be representative of standard conditions	No Over Packaged	/
PHYSICAL CHARACTERISTICS				
Dimensions - length	CPSD-HL-01056-MTHD / Standard measure	Report overall length; shall meet label claims (If applicable)	C: No Claims R: 64-1/2"	/
Dimensions - width	CPSD-HL-01056-MTHD / Standard measure	Report overall width; shall meet label claims (If applicable)	C: No Claims R: 40-1/8"	/
Dimensions - height	CPSD-HL-01056-MTHD / Standard measure	Report overall height; shall meet label claims (If applicable)	C: No Claims R: 11-1/4"	/
Weight	CPSD-HL-01056-MTHD / Standard measure	Report overall weight; shall meet label claims (If applicable)	C: No Claims R: 147.8 Lbs	/
Material Description	CPSD-HL-01057-MTHD / Visual	[Material Qualities] Report materials: shall meet label claims (If applicable)	C: No Claims R: Corrugated Board	/
Color or finish quality - material	CPSD-HL-01057-MTHD / Visual	[Material Qualities] [Material Face Color] Report color: shall meet label claims (If applicable)	C: No Claims R: Brown	/
Dimensions - thickness	CPSD-HL-01056-MTHD / Standard measure	[Material Qualities] Report overall thickness; shall meet label claims (If applicable)	C: No Claims R: 0.29"	/
WORKMANSHIP				



**BUREAU
VERITAS**

**TEST PROTOCOL FOR
09070.1 - US
PACKAGED PRODUCT TRANSIT TESTING ISTA 3A (150 LBS.
OR LESS) (V11)**

BV Lab Number: **(9616) 057-0222**
 Technician Name: TN
 Test Date: FEBRUARY 26, 2016
 Reviewed By/Date: TN/ MARCH 05, 2016

Evaluation	Citation / Method	Criteria	Results	Rating
Inspection	CPSD-HI-01057-MTHD / Visual	[OVER PACKAGING] No major defects / No breaks in or crushing of the over-packaging	NA	/
Inspection	CPSD-HI-01057-MTHD / Visual	[PACKAGED PRODUCT Of Test Package] No major defects / no breaks in or crushing of the Packaging - The packaged product shall not be opened prior to testing unless there is a sign of damage such as rattling. In this case, the package can be opened and the item inspected for damage. Damaged product will not be tested. Inner packaging must not be disturbed in a manner to compromise test results after resealing the package.	M	PASS
Hazards	CPSD-HL-01057-MTHD / Visual	[PACKAGED PRODUCT Of Test Package] Staples are not permitted in the construction of the carton except along the bottom or along the manufacturer's edge only. Steel strapping is not permitted. Plastic strapping is permitted but the securing device / method (i.e. Buckle) must not contain or create a sharp point or edge.	M	PASS
PERFORMANCE				
Atmospheric preconditioning	ISTA 3A 2011 Sequence 1 / CPSD-HL-09012-MTHD	[Applicable for Packaged-Products for Parcel Delivery System Shipments 70kg (150 lb) or Less (standard, small, flat or elongated)] [TEST PROCEDURES] [Required for ISTA 3A compliance] 12 hours preconditioning at ambient laboratory conditions of 20 - 40°C and 10-80% RH, Record the ambient laboratory temperature and humidity prior to and after conditioning.	Temperature: 24°C Humidity: 58%	/
* Atmospheric conditioning	ISTA 3A 2011 Sequence 2 / CPSD-HL-09012-MTHD	[Applicable for Packaged-Products for Parcel Delivery System Shipments 70kg (150 lb) or Less (standard, small, flat or elongated)] [TEST PROCEDURES] [Optional] [If requested] Refer to client's requirement and atmospheric condition table in ISTA 3A. If not specified, condition 100 °F (38 °C) and 85% RH for 72 hours.	NT	/



**BUREAU
VERITAS**

**TEST PROTOCOL FOR
09070.1 - US
PACKAGED PRODUCT TRANSIT TESTING ISTA 3A (150 LBS.
OR LESS) (V11)**

BV Lab Number: **(9616) 057-0222**
 Technician Name: TN
 Test Date: FEBRUARY 26, 2016
 Reviewed By/Date: TN/ MARCH 05, 2016

Evaluation	Citation / Method	Criteria	Results	Rating
Vibration - random with top load	ISTA 3A 2011 Sequence 4 / CPSPD- HL-09012-MTHD	[Applicable for Packaged-Products for Parcel Delivery System Shipments 70kg (150 lb) or Less (ELONGATED)] Sample with top load shall be subjected to random vibration test in the following sequence 1. Face 3 on vibration system platform for 60 minutes. 2. Face 4 on vibration system platform for 30 minutes. 3. Face 6 on vibration system platform for 30 minutes. See note immediately after the last test row at protocol bottom for Pass/Fail Criteria	NA	/
Random With Load	ISTA 3A-2008	[Applicable for Packaged-Products for Parcel Delivery System Shipments 70kg (150 lb) or Less (FLAT)] Sample with top load shall be subjected to random vibration test in the following sequence 1. Face 3 on vibration system platform for 60 minutes. 2. Face 4 on vibration system platform for 30 minutes. 3. Face 6 on vibration system platform for 30 minutes. See note immediately after the last test row at protocol bottom for Pass/Fail Criteria	NA	/
Random With Load	ISTA 3A-2008	[Applicable for Packaged-Products for Parcel Delivery System Shipments 70kg (150 lb) or Less (SMALL)] Sample shall be placed in the center of mailbag 1 with dunnage packages and be subjected to random vibration following the sequence below; 1. Face 1 of mailbag 1 on vibration test system platform with sand-filled mailbag on top for 30 minutes. 2. Face 2 of mailbag 1 on vibration system platform with sand filled mailbag 2 on top for 30 minutes. See note immediately after the last test row at protocol bottom for Pass/Fail Criteria	NA	/
Random With Load	ISTA 3A-2008	[Applicable for Packaged-Products for Parcel Delivery System Shipments 70kg (150 lb) or Less (STANDARD)] Sample with top load shall be subjected to random vibration test in the following sequence 1. Face 3 on vibration system platform for 60 minutes. 2. Face 4 on vibration system platform for 30 minutes. 3. Face 6 on vibration system platform for 30 minutes. See note immediately after the last test row at protocol bottom for Pass/Fail Criteria	M Top Load Face 3 down: 300 Lbs Face 4 down: 175 Lbs Face 6 down: 70 Lbs	PASS



**BUREAU
VERITAS**

TEST PROTOCOL FOR
09070.1 - US
PACKAGED PRODUCT TRANSIT TESTING ISTA 3A (150 LBS.
OR LESS) (V11)

BV Lab Number: **(9616) 057-0222**
 Technician Name: TN
 Test Date: FEBRUARY 26, 2016
 Reviewed By/Date: TN/ MARCH 05, 2016

Evaluation	Citation / Method	Criteria	Results	Rating
Vibration - random without top load	ISTA 3A 2011 Sequence 4 / CPSD- HL-09012-MTHD	[Applicable for Packaged-Products for Parcel Delivery System Shipments 70kg (150 lb) or Less (ELONGATED)] Test sample for 30 minutes without top load and with face 3 on vibration system platform. See note immediately after the last test row at protocol bottom for Pass/Fail Criteria	NA	/
Random Without Load	ISTA 3A-2008	[Applicable for Packaged-Products for Parcel Delivery System Shipments 70kg (150 lb) or Less (FLAT)] Test sample for 30 minutes without top load and with face 3 on vibration system platform. See note immediately after the last test row at protocol bottom for Pass/Fail Criteria	NA	/
Random Without Load	ISTA 3A-2008	[Applicable for Packaged-Products for Parcel Delivery System Shipments 70kg (150 lb) or Less (SMALL)] Test sample alone (out of mailbag) placed on vibration test system platform for 30 minutes without sand filled mailbag on top. See note immediately after the last test row at protocol bottom for Pass/Fail Criteria	NA	/
Random Without Load	ISTA 3A-2008	[Applicable for Packaged-Products for Parcel Delivery System Shipments 70kg (150 lb) or Less (STANDARD)] Test sample for 30 minutes without top load and with face 3 on vibration system platform. See note immediately after the last test row at protocol bottom for Pass/Fail Criteria	M	PASS
Shock -drop	ISTA 3A 2011 Sequence 3 / CPSD- HL-09012-MTHD	[Applicable for Packaged-Products for Parcel Delivery System Shipments 70kg (150 lb) or Less (SMALL)] {see corresponding table T-0027 at the end of this protocol}	NA	/
Shock - rotational edge drop	ISTA 3A 2011 Sequence 7 / CPSD- HL-09012-MTHD	[[Applicable for Packaged-Products for Parcel Delivery System Shipments 70kg (150 lb) or Less (ELONGATED)] With opposite edge of face 3 placed on support, drop test edge from a height of 8 inches (200 mm). Test in sequence; 1. Longest edge 2. Next longest edge radiating 90° from 1. 3. Opposite edge of 2. See note immediately after the last test row at protocol bottom for Pass/Fail Criteria	NA	/



**BUREAU
VERITAS**

**TEST PROTOCOL FOR
09070.1 - US
PACKAGED PRODUCT TRANSIT TESTING ISTA 3A (150 LBS.
OR LESS) (V11)**

BV Lab Number: **(9616) 057-0222**
 Technician Name: TN
 Test Date: FEBRUARY 26, 2016
 Reviewed By/Date: TN/ MARCH 05, 2016

Evaluation	Citation / Method	Criteria	Results	Rating
Rotational Edge Drop	ISTA 3A-2008	[Applicable for Packaged-Products for Parcel Delivery System Shipments 70kg (150 lb) or Less (FLAT)] With one edge of face 3 placed on support, drop opposite edge from a height of 8 inches (200 mm). Test in sequence; 1. Longest edge 2. Next longest edge radiating 90° from edge tested in 1. 3. Opposite edge of edge tested in 2. See note immediately after the last test row at protocol bottom for Pass/Fail Criteria	NA	/
Shock - full rotational flat drop	ISTA 3A 2011 Sequence 8 / CPSD-HL-09012-MTHD	[Applicable for Packaged-Products for Parcel Delivery System Shipments 70kg (150 lb) or Less (ELONGATED)] Place sample so that smallest face rests on test surface. When pushed over, face 3 shall impact test surface. Repeat with next largest face but ensure, face 3 impacts the test surface See note immediately after the last test row at protocol bottom for Pass/Fail Criteria	NA	/
Full Rotational Flat Drop	ISTA 3A-2008	[Applicable for Packaged-Products for Parcel Delivery System Shipments 70kg (150 lb) or Less (FLAT)] Place sample so that smallest face rests on test surface. When pushed over, face 3 shall impact test surface. Repeat with next largest face but ensure, face 3 impacts the test surface See note immediately after the last test row at protocol bottom for Pass/Fail Criteria	NA	/
Shock - full rotational flat drop	ISTA 3A 2011 Sequence 9 / CPSD-HL-09012-MTHD	[Applicable for Packaged-Products for Parcel Delivery System Shipments 70kg (150 lb) or Less (FLAT)] Drop hazard box from 16 inches (400 mm) onto midpoint of longest and shortest dimensions of face 1. See note immediately after the last test row at protocol bottom for Pass/Fail Criteria	NA	/
Shock - drop	ISTA 3A 2011 Sequence 3 / CPSD-HL-09012-MTHD	[Applicable for Packaged-Products for Parcel Delivery System Shipments 70kg (150 lb) or Less (STANDARD)] 9 drops – follow sequence below; {see corresponding table T-0030 at the end of this protocol} See note immediately after the last test row at protocol bottom for Pass/Fail Criteria	M Weight: 147.8 Lbs Drop Height: 12" & 24"	PASS



**BUREAU
VERITAS**

**TEST PROTOCOL FOR
09070.1 - US
PACKAGED PRODUCT TRANSIT TESTING ISTA 3A (150 LBS.
OR LESS) (V11)**

BV Lab Number: **(9616) 057-0222**
 Technician Name: TN
 Test Date: FEBRUARY 26, 2016
 Reviewed By/Date: TN/ MARCH 05, 2016

Evaluation	Citation / Method	Criteria	Results	Rating
Shock - drop	ISTA 3A 2011 Sequence 6 / CPSD- HL-09012-MTHD	[Applicable for Packaged-Products for Parcel Delivery System Shipments 70kg (150 lb) or Less (STANDARD)] 8 drops – follow sequence below; {see corresponding table T-0029 at the end of this protocol} Record choice and rational of most critical orientation See note immediately after the last test row at protocol bottom for Pass/Fail Criteria	M Weight: 147.8 Lbs Drop Height: 12" & 24"	PASS
Shock - drop	ISTA 3A 2011 Sequence 3 / CPSD- HL-09012-MTHD	[Applicable for Packaged-Products for Parcel Delivery System Shipments 70kg (150 lb) or Less (SMALL)] 9 drops - follow sequence below; {See corresponding table T-0027 at the end of this protocol} Note: Sample shall not be placed in mailbag See note immediately after the last test row at protocol bottom for Pass/Fail Criteria	NA	/
Shock - drop	ISTA 3A 2011 Sequence 6 / CPSD- HL-09012-MTHD	[Applicable for Packaged-Products for Parcel Delivery System Shipments 70kg (150 lb) or Less (SMALL)] 7 drops - follow sequence below; {See corresponding table T-0028 at the end of this protocol} Note: Sample shall be tested placed inside a mailbag with dunnage packages See note immediately after the last test row at protocol bottom for Pass/Fail Criteria	NA	/
Shock - drop	ISTA 3A 2011 Sequence 3 / CPSD- HL-09012-MTHD	[Applicable for Packaged-Products for Parcel Delivery System Shipments 70kg (150 lb) or Less (FLAT)] 9 drops – follow sequence below; {see corresponding table T-0026 at the end of this protocol} See note immediately after the last test row at protocol bottom for Pass/Fail Criteria	NA	/



**BUREAU
VERITAS**

**TEST PROTOCOL FOR
09070.1 - US
PACKAGED PRODUCT TRANSIT TESTING ISTA 3A (150 LBS.
OR LESS) (V11)**

BV Lab Number: **(9616) 057-0222**
 Technician Name: TN
 Test Date: FEBRUARY 26, 2016
 Reviewed By/Date: TN/ MARCH 05, 2016

Evaluation	Citation / Method	Criteria	Results	Rating
Shock - drop	ISTA 3A 2011 Sequence 6 / CPSD- HL-09012-MTHD	[Applicable for Packaged-Products for Parcel Delivery System Shipments 70kg (150 lb) or Less (FLAT)] 8 drops - follow sequence below; {See corresponding table T-0025 at the end of this protocol} Record choice and rational of most critical orientation See note immediately after the last test row at protocol bottom for Pass/Fail Criteria	NA	/
Shock - drop	ISTA 3A 2011 Sequence 3 / CPSD- HL-09012-MTHD	[Applicable for Packaged-Products for Parcel Delivery System Shipments 70kg (150 lb) or Less (ELONGATED)] 9 drops follow sequence below; {See corresponding table T-0024 at the end of this protocol} See note immediately after the last test row at protocol bottom for Pass/Fail Criteria	NA	/
Shock - drop	ISTA 3A 2011 Sequence 6 / CPSD- HL-09012-MTHD	[Applicable for Packaged-Products for Parcel Delivery System Shipments 70kg (150 lb) or Less (ELONGATED)] 8 drops follow sequence below; {See corresponding table T-0023 at the end of this protocol} Record choice and rational of most critical orientation See note immediately after the last test row at protocol bottom for Pass/Fail Criteria	NA	/
Shock - bridge impact	ISTA 3A 2011 Sequence 9 / CPSD- HL-09012-MTHD	[Applicable for Packaged-Products for Parcel Delivery System Shipments 70kg (150 lb) or Less (ELONGATED)] Drop hazard box from 16 inches (400 mm) above face 1 of sample. Hazard box shall impact the midpoint across the longest dimension of face 1. Drop hazard box's angle iron bottom edge shall be parallel to shortest dimension of face 1. Sample shall be placed on two support blocks. Note: The blocks used for the Bridge Impact Test for Elongated Package Configurations shall be positioned so that they are flush with the carton ends. See note immediately after the last test row at protocol bottom for Pass/Fail Criteria	NA	/



BUREAU VERITAS

TEST PROTOCOL FOR
09070.1 - US
PACKAGED PRODUCT TRANSIT TESTING ISTA 3A (150 LBS. OR LESS) (V11)

BV Lab Number: (9616) 057-0222
Technician Name: TN
Test Date: FEBRUARY 26, 2016
Reviewed By/Date: TN/ MARCH 05, 2016

Table with 5 columns: Evaluation, Citation / Method, Criteria, Results, Rating. Contains two rows of test data.

Note:

Pass/fail criteria = After sequential completion of all required tests, there shall be no damage to the package box and the product(s) contained within the package box.
Each of the following cases constitutes "damage":
Puncture of package box greater than 9 square inches or 10% of the damaged box surface,
Failure of the tape or seal,
Any part(s) escape the package box,
Any damage (even the slightest scratch, chip, dent, or marking) to the actual product.

Key:

- * Additional Charge For This Test
** Mandatory Requirement
By Request Only

Result Key:

- C Claimed
R Recorded
M Meets
NM Does Not Meet
NA Not Applicable
NT Not Tested

Rating Key:

- PASS Pass
FAIL Fail

Image Appendix



**BUREAU
VERITAS**

TEST PROTOCOL FOR
09070.1 - US
PACKAGED PRODUCT TRANSIT TESTING ISTA 3A (150 LBS.
OR LESS) (V11)

BV Lab Number: **(9616) 057-0222**
Technician Name: TN
Test Date: FEBRUARY 26, 2016
Reviewed By/Date: TN/ MARCH 05, 2016

Page 11 of 23

T-0031
Photos
Required For
Transit Test
Reporting.jpg

Photos Required For Transit Test Reporting (as applicable)

- 1 Isometric view showing printing and warning signs
(NOTE: When taking this photo all writing and warning labels must be visible and readable. This is the only digital where it needs to be readable.)
- 2 Front view
- 3 Back view
- 4 Blister pack with parts, and where located
- 5 Packing foam
- 6 Rear face with bottom packing
- 7 Close up of bottom packing
- 8 Isometric view of packing materials
- 9 Close up of foam corner
- 10 Front face of product with shimming.
- 11 Photos of broken packing (foam) regardless of pass or fail. State where located
- 12 Close up of damaged carton. State where located
- 13 Close up of damaged product. State where damage located.



**BUREAU
VERITAS**

TEST PROTOCOL FOR
09070.1 - US
PACKAGED PRODUCT TRANSIT TESTING ISTA 3A (150 LBS.
OR LESS) (V11)

BV Lab Number: **(9616) 057-0222**
Technician Name: TN
Test Date: FEBRUARY 26, 2016
Reviewed By/Date: TN/ MARCH 05, 2016

Page 12 of 23

**T-0023 ISTA
3A-Elongated
Packaged-
Individual-8-
Drops.jpg**

Drop number	Drop Height Samples < 70 lb (32 kg)	Drop Height For Samples ≥ 70 lb (32 kg) and ≤ 150 lb (70 kg)	Orientation of drop
1	18 in (460 mm)	12 in (300 mm)	Edge 3-4
2	18 in (460 mm)	12 in (300 mm)	Edge 3-6
3	18 in (460 mm)	12 in (300 mm)	Edge 1-5
4	18 in (460 mm)	12 in (300 mm)	Corner 3-4-6
5	18 in (460 mm)	12 in (300 mm)	Corner 1-2-6
6	18 in (460 mm)	12 in (300 mm)	Corner 1-4-5
7	36 in (910 mm)	24 in (600 mm)	Most critical or damage prone flat orientation
8	18 in (460 mm)	12 in (300 mm)	Face 2 on hazard



**BUREAU
VERITAS**

TEST PROTOCOL FOR
09070.1 - US
PACKAGED PRODUCT TRANSIT TESTING ISTA 3A (150 LBS.
OR LESS) (V11)

BV Lab Number: **(9616) 057-0222**
Technician Name: TN
Test Date: FEBRUARY 26, 2016
Reviewed By/Date: TN/ MARCH 05, 2016

Page 13 of 23

**T-0024 ISTA
3A-Elongated
Packaged-
Individual-9-
Drops.jpg**

Drop number	Drop Height For Samples < 70 lbs (32 kg)	Drop Height For Samples > 70 lbs (32 lbs) and = 150 lbs (70 kg)	Orientation of drop
1	18 in. (460 mm)	12 in. (300mm)	Edge 3-4
2	18 in. (460 mm)	12 in. (300mm)	Edge 3-6
3	18 in. (460 mm)	12 in. (300mm)	Edge 4-6
4	18 in. (460 mm)	12 in. (300mm)	Corner 3-4-6
5	18 in. (460 mm)	12 in. (300mm)	Corner 2-3-5
6	18 in. (460 mm)	12 in. (300mm)	Edge 2-3
7	18 in. (460 mm)	12 in. (300mm)	Edge 1-2
8	36 in. (910 mm)	24 in. (600mm)	Face 3
9	18 in. (460 mm)	12 in. (300mm)	Face 3



**BUREAU
VERITAS**

TEST PROTOCOL FOR
09070.1 - US
PACKAGED PRODUCT TRANSIT TESTING ISTA 3A (150 LBS.
OR LESS) (V11)

BV Lab Number: **(9616) 057-0222**
Technician Name: TN
Test Date: FEBRUARY 26, 2016
Reviewed By/Date: TN/ MARCH 05, 2016

Page 14 of 23

**T-0025 ISTA
3A-Flat
Packaged-
Individual-8-
Drops.jpg**

Drop number	Drop Height Samples < 70 lb (32 kg)	Drop Height For Samples \geq 70 lb (32 kg) and \leq 150 lb (70 kg)	Orientation of drop
1	18 in (460 mm)	12 in (300 mm)	Edge 3-4
2	18 in (460 mm)	12 in (300 mm)	Edge 3-6
3	18 in (460 mm)	12 in (300 mm)	Edge 1-5
4	18 in (460 mm)	12 in (300 mm)	Corner 3-4-6
5	18 in (460 mm)	12 in (300 mm)	Corner 1-2-6
6	18 in (460 mm)	12 in (300 mm)	Corner 1-4-5
7	36 in (910 mm)	24 in (600 mm)	Most critical or damage prone flat orientation
8	18 in (460 mm)	12 in (300 mm)	Face 2 on hazard



**BUREAU
VERITAS**

TEST PROTOCOL FOR
09070.1 - US
PACKAGED PRODUCT TRANSIT TESTING ISTA 3A (150 LBS.
OR LESS) (V11)

BV Lab Number: **(9616) 057-0222**
Technician Name: TN
Test Date: FEBRUARY 26, 2016
Reviewed By/Date: TN/ MARCH 05, 2016

Page 15 of 23

**T-0026 ISTA
3A-Flat
Packaged-
Individual-9-
Drops.jpg**

Drop number	Drop Height For Samples < 70 lbs (32 kg)	Drop Height For Samples > 70 lbs (32 lbs) and = 150 lbs (70 kg)	Orientation of drop
1	18 in. (460 mm)	12 in. (300mm)	Edge 3-4
2	18 in. (460 mm)	12 in. (300mm)	Edge 3-6
3	18 in. (460 mm)	12 in. (300mm)	Edge 4-6
4	18 in. (460 mm)	12 in. (300mm)	Corner 3-4-6
5	18 in. (460 mm)	12 in. (300mm)	Corner 2-3-5
6	18 in. (460 mm)	12 in. (300mm)	Edge 2-3
7	18 in. (460 mm)	12 in. (300mm)	Edge 1-2
8	36 in. (910 mm)	24 in. (600mm)	Face 3
9	18 in. (460 mm)	12 in. (300mm)	Face 3



**BUREAU
VERITAS**

TEST PROTOCOL FOR
09070.1 - US
PACKAGED PRODUCT TRANSIT TESTING ISTA 3A (150 LBS.
OR LESS) (V11)

BV Lab Number: **(9616) 057-0222**
Technician Name: TN
Test Date: FEBRUARY 26, 2016
Reviewed By/Date: TN/ MARCH 05, 2016

T-0027 ISTA 3A-Small Packaged- Individual-9- Drops.jpg	Drop number	Samples < 70 lbs (32 kg)	Orientation of drop
	1	18 in. (460 mm)	Edge 3-4
	2	18 in. (460 mm)	Edge 3-6
	3	18 in. (460 mm)	Edge 4-6
	4	18 in. (460 mm)	Corner 3-4-6
	5	18 in. (460 mm)	Corner 2-3-5
	6	18 in. (460 mm)	Edge 2-3
	7	18 in. (460 mm)	Edge 1-2
	8	36 in. (910 mm)	Face 3
	9	18 in. (460 mm)	Face 3
T-0028 ISTA 3A-Small Package- Drop in a Bag-7- Drops.jpg	Drop number	Drop Height	Orientation of drop
	1	24 in. (600mm)	Bottom
	2	24 in. (600mm)	Face 1
	3	24 in. (600mm)	Face 2
	4	24 in. (600mm)	Top
	5	24 in. (600mm)	Face 1
	6	24 in. (600mm)	Face 2
	7	24 in. (600mm)	Bottom



**BUREAU
VERITAS**

TEST PROTOCOL FOR
09070.1 - US
PACKAGED PRODUCT TRANSIT TESTING ISTA 3A (150 LBS.
OR LESS) (V11)

BV Lab Number: **(9616) 057-0222**
Technician Name: TN
Test Date: FEBRUARY 26, 2016
Reviewed By/Date: TN/ MARCH 05, 2016

Page 17 of 23

**T-0029 ISTA
3A-Standard
Packaged-
Individual-8-
Drops.jpg**

Drop number	Drop Height Samples < 70 lbs (32 kg)	Drop Height For Samples > 70 lbs (32 lbs) and = 150 lbs (70 kg)	Orientation of drop
1	18 in. (460 mm)	12 in. (300mm)	Edge 3-4
2	18 in. (460 mm)	12 in. (300mm)	Edge 3-6
3	18 in. (460 mm)	12 in. (300mm)	Edge 1-5
4	18 in. (460 mm)	12 in. (300mm)	Corner 3-4-6
5	18 in. (460 mm)	12 in. (300mm)	Corner 1-2-6
6	18 in. (460 mm)	12 in. (300mm)	Corner 1-4-5
7	36 in. (910 mm)	24 in. (600mm)	Most critical or damage prone flat orientation
8	18 in. (460 mm)	12 in. (300mm)	Face 3 on hazard



**BUREAU
VERITAS**

**TEST PROTOCOL FOR
09070.1 - US
PACKAGED PRODUCT TRANSIT TESTING ISTA 3A (150 LBS.
OR LESS) (V11)**

BV Lab Number: **(9616) 057-0222**
 Technician Name: TN
 Test Date: FEBRUARY 26, 2016
 Reviewed By/Date: TN/ MARCH 05, 2016

**T-0030 ISTA
3A-Standard
Packaged-
Individual-9-
Drops.jpg**

Drop number	Samples < 70 lbs (32 kg)	Samples > 70 lbs (32 lbs) and = 150 lbs (70 kg)	Orientation of drop
1	18 in. (460 mm)	12 in. (300mm)	Edge 3-4
2	18 in. (460 mm)	12 in. (300mm)	Edge 3-6
3	18 in. (460 mm)	12 in. (300mm)	Edge 4-6
4	18 in. (460 mm)	12 in. (300mm)	Corner 3-4-6
5	18 in. (460 mm)	12 in. (300mm)	Corner 2-3-5
6	18 in. (460 mm)	12 in. (300mm)	Edge 2-3
7	18 in. (460 mm)	12 in. (300mm)	Edge 1-2
8	36 in. (910 mm)	24 in. (600mm)	Face 3
9	18 in. (460 mm)	12 in. (300mm)	Face 3

No. Of Samples Required for Complete Testing	-
No. Of (Fully Packed) Cartons For Transit Testing:	1
No. Of Working Days For Complete Testing:	-

No. (7 day rush = 40% No. Of Working Days For Complete Testing (with optional Conditioning): 10-13Days For Complete Testing (without optional Conditioning):
10

Client Approval: SEPTEMBER 22, 2014 / Kelly Nasradinaj
 Creation Date: JUNE 28, 2007
 Last Revision Date: SEPTEMBER 22, 2014
 Pricing Review Date:
 Technical Review Date:

PACKAGING PHOTO

	
Photo 1	Photo 2
	
Photo 3	Photo 4
 <p>FRONT VIEW</p>	 <p>REAR VIEW</p>
Photo 5	Photo 6



Photo 7



Photo 8



Photo 9



Photo 10



Photo 11



Photo 12



Photo 13



Photo 14



Photo 15



Photo 16



Photo 17



Photo 18



Photo 19



Photo 20

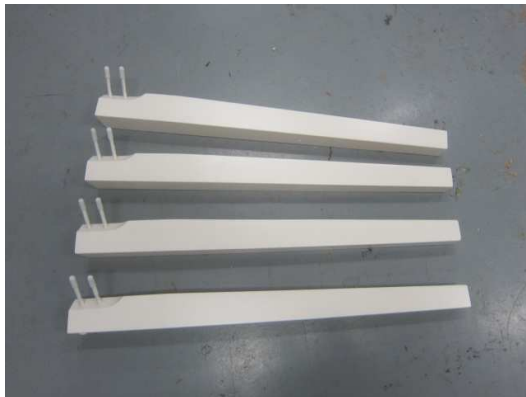


Photo 21



Photo 22



Photo 23

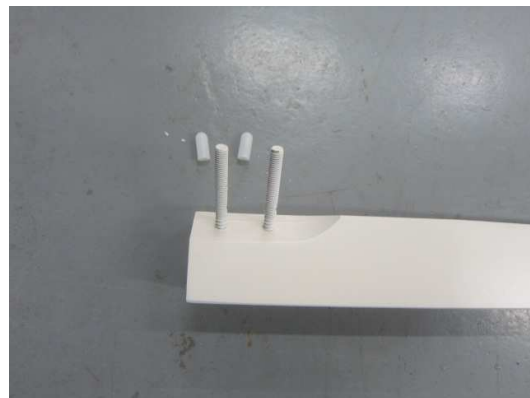


Photo 24



Photo 25



Photo 26

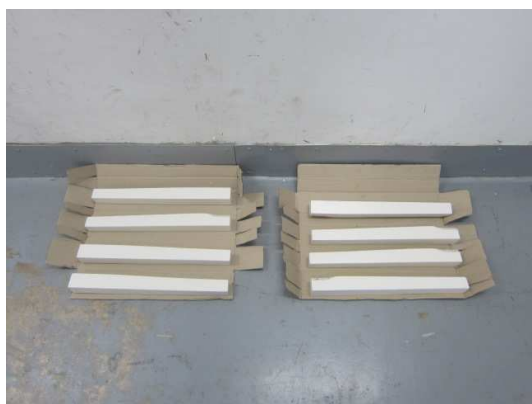


Photo 27



Photo 28