



# REPORT

Technical Report: (6608) 263-0557

Page 1 of 25  
SEP. 26, 2008



SHA/WA/CC/R

**Bureau Veritas**  
**Consumer Products Services, Inc.**  
(Lab Address)  
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BUREAU VERITAS

# Office DEPOT. TEST REPORT

OFFICE DEPOT, INC.  
2200 OLD GERMANTOWN ROAD  
DELRAY BEACH, FL 33445

LAB LOCATION: SHANGHAI  
LAB NUMBER: (6608) 263-0557  
DEPARTMENT: /

ATTN: /

DATE IN: SEP. 22, 2008  
DATE OUT: SEP. 26, 2008  
MOD. LOG IN: /  
WORKING DAYS: 5  
REVISED DATE: /  
PAGE: 2 of 25

C.C.: DOREL CONSULTING (SHANGHAI)  
CO., LTD. KUNSHAN BRANCH  
OFFICE

PROGRAM: OFFICE DEPOT, INC.

OVERALL RATING	
PASS	<u>          X          </u>
FAIL	<u>                          </u>

TESTING FOR  
PACKAGED PRODUCT TRANSIT TESTING  
OFDP-9000-US

PRODUCT	TRANSIT	ARTWORK
Project ID #	/	Project Item ID# /
Sample Description:	SAVANNAH HUTCH CABINET (ONE CARTON RECEIVED)	
Final Packaging:	Yes (submitted for review)	No (not submitted for review) X
Submitter:	/	
Country of Origin:	CHINA	Style: OFFICE
Color:	CHERRY	SKU Number: 287630
Previous Report No.:	/	List SKUs Re-tested: /
Revised Report:	Yes: <input type="checkbox"/>	No: X <input checked="" type="checkbox"/>
Reason For Revision:	/	



**EXECUTIVE SUMMARY:**

The packaged products are rated as PASS with no damage noted after the vibration, drop and impact bridge test per OFDP-9000-US.

**DESCRIPTION OF PACKAGE:**

1. Five panel folding container constructed of double wall-corrugated board, and secured by glue. (See Enclosed Exhibit 1)
2. All panels are separated by foam sheet; 4 arms are packed in polybags and placed in two inner cartons; packs of hardware; other parts are individually packed in polybag; they are separated by corrugated board, secured by foam and chipboards at four corners, by corrugated board and foam sheet at top, by foam sheet at bottom, by EPS boards at all sides. (See Enclosed Exhibits 2-35)

**TEST RESULTS:**

Package Dimension	76-1/4 x 20-3/4 x 7-3/8 in.
Gross Weight	111.2 lbs.
Master Material Weight	28.21 oz./sq.yd
Bursting Strength	159 lbs/in. <sup>2</sup>
Vibration Test - Time	61.8 minutes at 230 cpm
	Number of Impacts 14,200
Drop Test	Number of Drops 10
	Height of Drops 8 in.
Impact-Bridge	Weight of impactor 12.25 lbs.
	Height of impact 12 in.

**BVCPS (shanghai) contact information for this report**

**Technical Questions:**

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Back-Up Contact: Marshall Hong 64893130 ext 2116, E-mail: Marshall.hong@cn.bureauveritas.com

**Concerns About Billing and General Inquires:**

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BUREAU VERITAS  
CONSUMER PRODUCTS SERVICE DIVISION (SHANGHAI)

RAIN CHEN  
OPERATION MANAGER (HARDLINE DIVISION)



BV Lab Number: (6608) 263-0557  
 Technician Name: Wayne  
 Test Date: Sep. 26, 2008  
 Reviewed By/Date: Rain / Sep. 26, 2008  
 Page 4 of 25

**OFFICE DEPOT TEST PROTOCOL FOR**  
**OFDP-9000-US**  
**Packaged Product Transit Testing**

Evaluation	Citation/Method	No. Samples	Criteria	Results	Rating
<b>OVER PACKAGING</b>					
Labeling	ISTA Procedure 1A & 1B	1	Label identifying an "Over-packaged product for drop / vibration testing"	NA	-
Inspection	CPSD-HL-01057-MTHD / Visual	All	No major defects / no breaks in or crushing of the over-packaging	NA	-
<b>PACKAGED PRODUCT</b>					
Labeling	ISTA Procedure 1A & 1B	1	Label identifying a "Packaged product for drop / vibration testing"	No label	-
Inspection	CPSD-HL-01057-MTHD / Visual	1	No major defects / no breaks in or crushing of the Packaging – The packaged product should 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
Length	ISTA Procedure 1A & 1B	1	Standard Measure	76-1/4 in.	-
Width	ISTA Procedure 1A & 1B	1	Standard Measure	20-3/4 in.	-
Depth	ISTA Procedure 1A & 1B	1	Standard Measure	7-3/8 in.	-
Weight	ISTA Procedure 1A & 1B	1	Standard Measure	111.2 lbs	-
Material description	CPSD-HL-01057-MTHD / Visual	All	Inspection / Identification	Double wall corrugated board	-

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BV Lab Number: (6608) 263-0557  
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 Test Date: Sep. 26, 2008  
 Reviewed By/Date: Rain / Sep. 26, 2008  
 Page 5 of 25

**OFDP-9000-US  
 Packaged Product Transit Testing**

Evaluation	Citation/Method	No. Samples	Criteria	Results	Rating
Color or finish quality - material	CPSD-HL-01057-MTHD / Visual	All	Inspection / Identification	Brown	-
Dimensions - thickness	CPSD-HL-01056-MTHD / Standard measure	1	Inspection / Identification	0.28 in.	-
<b>TEST PROCEDURES</b>					
Product Functionality	CPSD-HL-01058-MTHD / Actual use	All	All tested packaged products shall be fully functional after testing of packaging (i.e., there shall be no product failures as a result of transit testing).	M	PASS
Vibration - method 1A - 150 lbs. or less	ISTA Procedure 1A	1	Products with COO of US - Vertical Vibration should be used Products with COO outside US - Rotary Vibration should be used  No major defects after 14,200 vibratory impacts	No damage noted (Rotary 230 cpm)	PASS
Vibration - method 1B - over 150 lbs.	ISTA Procedure 1B	1	Products with COO of US - Vertical Vibration should be used Products with COO outside US - Rotary Vibration should be used  No major defects after 11,800 vibratory impacts	NA	-
Impact - method 1A - 150 lbs. or Less - for all samples, but not for CD case	ISTA Procedure 1A	1	No major damage after 10 drops from a specific height in a specific sequence as described in ISTA procedure 1a. Test drop height varies with weight of packaged product.	No damage noted (Drop height: 8 in.)	PASS
Impact - for CD case only	OFDP method	1	No major damage after 2 drops from a 8 inch height on front & bottom.	NA	-



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 Page 6 of 25

**OFDP-9000-US**  
**Packaged Product Transit Testing**

Evaluation	Citation/Method	No. Samples	Criteria	Results	Rating
Impact - for laser toner cartridges only	OFDP method	1	Open the package after the drop test and inspect for toner leakage, any evidence of leakage shall result in a fail rating.	NA	-
Impact - method 1B - over 150 lbs.	ISTA Procedure 1B	1	No major damage after 6 drops from a 6 inch height in a specific sequence as described in ISTA procedure 1b.	NA	-
Corrugated board strength	Bursting strength test  TAPPI T810 modified	5	Report the average bursting strength (lb/in <sup>2</sup> ) of the corrugated board.  NOTE: If master carton is too small to take the full number of readings, take the maximum number of readings possible and report the average.	Double wall /Average of 5: 159 lb/in <sup>2</sup>	-
	Edgewise compressive strength test  TAPPI 811 modified	10	Report the average maximum load per unit width (lbf/in).  NOTE: If master carton is too small to take the full number of readings, take the maximum number of readings possible and report the average.	Double wall /Average of 10: 35.53 lbs/in	-
<b>WHEN APPLICABLE</b>					
* Impact alternative for skid-bottom packages or those weighing 500 lbs. or more	ASTM D1083-98	1	No major damage after impacting the 4 vertical faces and completing two 8 inch flat rotational drops to the bottom surface	NA	-
* Impact - bridge - when L is 3x W or D	ASTM D5265-03	1	No major defects after impact. Impactor height is to be adjusted to achieve 2.4 m/sec (96.26in/sec)	No damage noted (12.25 lbs. / 12 in.)	PASS
* Impact - rupture - bags and cylindrical containers	ASTM D5276-04	1	No major defects after drop onto rupture hazard which is a 4 x 4 in (102 x 102 mm) timber, of oak or other wood of equivalent hardness, approx 4 ft (1.2 m) long - per standard.	NA	-
<b>ANALYTICAL</b>					

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 Page 7 of 25

**OFDP-9000-US  
 Packaged Product Transit Testing**

Evaluation	Citation/Method	No. Samples	Criteria	Results	Rating
* Heavy metal in packaging materials – by request only	Model toxics in packaging legislation of the Toxics in Packaging Clearinghouse (TPCH) / CPSD-AN-00065-MTHD	1	The sum of the concentration levels of lead, cadmium, mercury and hexavalent chromium present in any packages or packaging component shall not exceed 100 ppm by weight.	NA	-

Key:

\* Additional Charge For This Test    \*\* Mandatory Requirement

Results Key:

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

Rating Key:

Pass
Fail

No. Of Samples Required For Complete Testing:	1
No. Of (Fully Packed) Cartons For Transit Testing:	1
No. Of Working Days For Complete Testing:	7

Creation Date: July 9, 2003  
 Editorial Revision Date: September 9, 2008  
 Pricing Review Date: July 18, 2008  
 Technical Review Date:

EXHIBIT 1



EXHIBIT 2



EXHIBIT 3



EXHIBIT 4



EXHIBIT 5



EXHIBIT 6



**EXHIBIT 7**



**EXHIBIT 8**



**EXHIBIT 9**



**EXHIBIT 10**



**EXHIBIT 11**



**EXHIBIT 12**



EXHIBIT 13



EXHIBIT 14



**EXHIBIT 15**



**EXHIBIT 16**



**EXHIBIT 17**



**EXHIBIT 18**



**EXHIBIT 19**



**EXHIBIT 20**



**EXHIBIT 21**



**EXHIBIT 22**



**EXHIBIT 23**



**EXHIBIT 24**



**EXHIBIT 25**



**EXHIBIT 26**



**EXHIBIT 27**



**EXHIBIT 28**



**EXHIBIT 29**



**EXHIBIT 30**



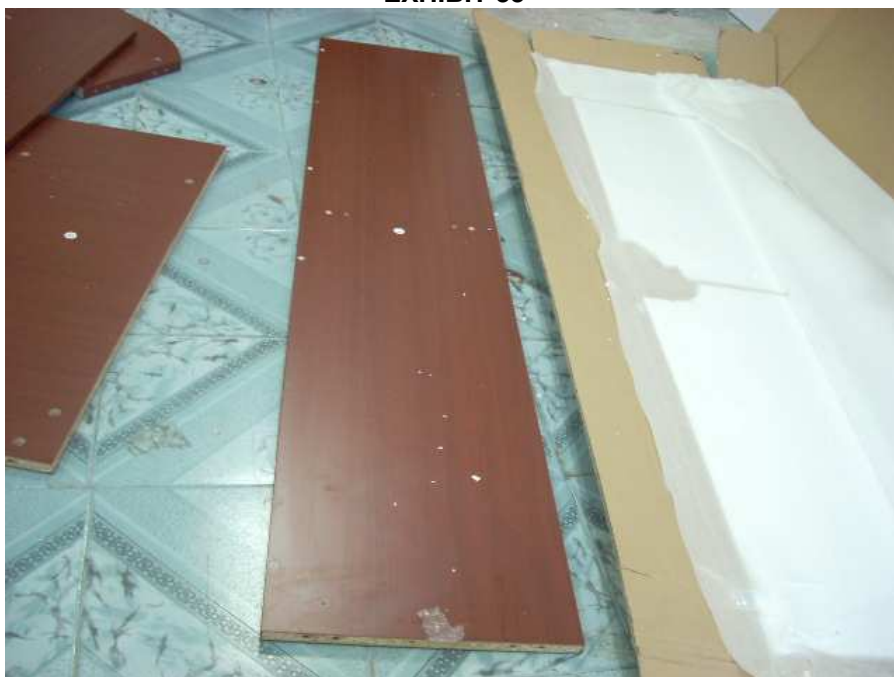
**EXHIBIT 31**



**EXHIBIT 32**



**EXHIBIT 33**



**EXHIBIT 34**





**EXHIBIT 35**

