



HPVA Laboratories

1825 Michael Faraday Drive, Reston, VA 20190-5350

PHONE 703-435-2900 FAX 703-435-2537



TEST REPORT ON FORMALDEHYDE EMISSIONS FROM WOOD PRODUCTS

Test Method: ASTM D6007-14

Analytical Procedure: Modified NIOSH 3500

CUSTOMER INFORMATION	SAMPLE IDENTIFICATION
Kase Capital 152 W. 57th Street 46th Floor New York, NY 10019	Test ID#: FSC1260 Date of Test: 9/17/2015 Customer Sample ID: ARK-LAMSH187-N Adhesive: N/A

SAMPLE DESCRIPTION			
Product Type:	12mm Illusion Hickory Bourbon Laminate Flooring (Core tested only)	Sample Thickness:	12mm
Core Type:	MDF/HDF	Sample shipped/stored in:	Vapor Barrier
Sample Condition:	OK	Date Selected:	N/A
Date of Manufacture:	5/11/12	Date Received:	8/31/2015
Date Conditioned:	9/10/2015	Selected by:	Client
Date Tested:	9/17/15	Sample Plan:	PAY

CONDITIONING DATA	Value	Units
Temperature: (range)	76.3;(76.9-75.6)	°F
Relative Humidity: (range)	51.3;(54.2-48.4)	% RH
Conditioning Background HCHO:	BLQ	ppm
Conditioning Time:	168	hours
Chamber Background HCHO:	BLQ	ppm

TEST DATA	Value	Units
Test Chamber:	1	n/a
Chamber Location:	Reston	n/a
Test Chamber Volume :	2.31	ft ³
Loading Ratio (ft ² /ft ³) :	0.64	ft ² /ft ³
# of Specimens in Test:	4	n/a
Sample Size:	6 3/8" x 8 3/8"	inches
Total Surfaces Exposed:	4	surfaces (core)
Edges Sealed:	Yes	n/a
Test Temperature: (range):	78.3;(79.5-77.4)	°F
Relative Humidity: (range):	48.8;(49.6-47.9)	% RH
Air Change Rate:	4	AC/h
Sample Flow Rate:	1.00	L/min
Sample Collection Time:	60	Min.
TEST RESULT: (At Test Conditions)	0.53	ppm
TEST RESULT: (Corrected to 77°F & 50%RH)	0.50	ppm
UNCERTAINTY (+/-):		n/a

NOTES:
(including any deviations from the ASTM procedure or sample defects)

The CARB SOP for Finished Good Specimen Preparation was followed to expose the core MDF/HDF panel beneath the laminate surface.

Josh Hosen

Josh Hosen
Senior Manager - Certification Programs

This is a factual report of the results obtained from laboratory tests of sample products. The results may be applied only to the products tested and should not be construed as applicable to other similar products of the manufacturer. The HPVA does not verify the description of the materials and products when the description is provided by the client. This report is not a recommendation or a disapprobation by the HPVA of the material or product tested. While this report may be used for obtaining product acceptance, it may not be used in advertising.



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Analytical Procedure: Modified NIOSH 3500

CUSTOMER INFORMATION	SAMPLE IDENTIFICATION
Kase Capital 152 W. 57th Street 46th Floor New York, NY 10019	Test ID#: FSC1261 Date of Test: 9/17/2015 Customer Sample ID: ARK-LAMSH197-N Adhesive: N/A

SAMPLE DESCRIPTION			
Product Type:	12mm Prestige Illusion Troy Hickory Laminate Flooring (Core tested only)	Sample Thickness:	12mm
Core Type:	MDF/HDF	Sample shipped/stored in:	Vapor Barrier
Sample Condition:	OK	Date Selected:	N/A
Date of Manufacture:	6/17/14	Date Received:	8/31/2015
Date Conditioned:	9/10/2015	Selected by:	Client
Date Tested:	9/17/15	Sample Plan:	PAY

CONDITIONING DATA	Value	Units
Temperature: (range)	76.3;(76.9-75.6)	°F
Relative Humidity: (range)	51.3;(54.2-48.4)	% RH
Conditioning Background HCHO:	BLQ	ppm
Conditioning Time:	168	hours
Chamber Background HCHO:	BLQ	ppm

TEST DATA	Value	Units
Test Chamber:	2	n/a
Chamber Location:	Reston	n/a
Test Chamber Volume :	2.31	ft ³
Loading Ratio (ft ² /ft ³) :	0.64	ft ² /ft ³
# of Specimens in Test:	4	n/a
Sample Size:	4.92" x 10 7/8"	inches
Total Surfaces Exposed:	4	surfaces (core)
Edges Sealed:	Yes	n/a
Test Temperature: (range):	77.2;(78.0-76.8)	°F
Relative Humidity: (range):	49.1;(49.6-48.6)	% RH
Air Change Rate:	4	AC/h
Sample Flow Rate:	1.00	L/min
Sample Collection Time:	60	Min.
TEST RESULT: (At Test Conditions)	0.23	ppm
TEST RESULT: (Corrected to 77°F & 50%RH)	0.23	ppm
UNCERTAINTY (+/-):		n/a

NOTES: (including any deviations from the ASTM procedure or sample defects)	The CARB SOP for Finished Good Specimen Preparation was followed to expose the core MDF/HDF panel beneath the laminate surface.
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Test Method: ASTM D6007-14

Analytical Procedure: Modified NIOSH 3500

CUSTOMER INFORMATION	SAMPLE IDENTIFICATION
Kase Capital 152 W. 57th Street 46th Floor New York, NY 10019	Test ID#: FSC1262 Date of Test: 9/17/2015 Customer Sample ID: ARK-LAMSH037-N Adhesive: N/A

SAMPLE DESCRIPTION			
Product Type:	12mm Hi-definition Brazilian Walnut Laminate Flooring (Core tested only)	Sample Thickness:	12mm
Core Type:	MDF/HDF	Sample shipped/stored in:	Vapor Barrier
Sample Condition:	OK	Date Selected:	N/A
Date of Manufacture:	5/6/14	Date Received:	8/31/2015
Date Conditioned:	9/10/2015	Selected by:	Client
Date Tested:	9/17/15	Sample Plan:	PAY

CONDITIONING DATA	Value	Units
Temperature: (range)	76.3;(76.9-75.6)	°F
Relative Humidity: (range)	51.3;(54.2-48.4)	% RH
Conditioning Background HCHO:	BLQ	ppm
Conditioning Time:	168	hours
Chamber Background HCHO:	BLQ	ppm

TEST DATA	Value	Units
Test Chamber:	3	n/a
Chamber Location:	Reston	n/a
Test Chamber Volume :	2.31	ft ³
Loading Ratio (ft ² /ft ³) :	0.64	ft ² /ft ³
# of Specimens in Test:	4	n/a
Sample Size:	7 5/8" x 7 5/8"	inches
Total Surfaces Exposed:	4	surfaces (core)
Edges Sealed:	Yes	n/a
Test Temperature: (range):	78.3;(79.4-77.5)	°F
Relative Humidity: (range):	47.6;(48.4-46.9)	% RH
Air Change Rate:	4	AC/h
Sample Flow Rate:	1.00	L/min
Sample Collection Time:	60	Min.
TEST RESULT: (At Test Conditions)	0.57	ppm
TEST RESULT: (Corrected to 77°F & 50%RH)	0.55	ppm
UNCERTAINTY (+/-):		n/a

NOTES: (including any deviations from the ASTM procedure or sample defects)	The CARB SOP for Finished Good Specimen Preparation was followed to expose the core MDF/HDF panel beneath the laminate surface.
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Analytical Procedure: Modified NIOSH 3500

CUSTOMER INFORMATION	SAMPLE IDENTIFICATION
Kase Capital 152 W. 57th Street 46th Floor New York, NY 10019	Test ID#: FSC1263 Date of Test: 9/17/2015 Customer Sample ID: ARK-LAMSH062-N Adhesive: N/A

SAMPLE DESCRIPTION			
Product Type:	12mm Hi-definition Sandal Wood Laminate Flooring (Core tested only)	Sample Thickness:	12mm
Core Type:	MDF/HDF	Sample shipped/stored in:	Vapor Barrier
Sample Condition:	OK	Date Selected:	N/A
Date of Manufacture:	5/6/14	Date Received:	8/31/2015
Date Conditioned:	9/10/2015	Selected by:	Client
Date Tested:	9/17/15	Sample Plan:	PAY

CONDITIONING DATA	Value	Units
Temperature: (range)	76.3;(76.9-75.6)	°F
Relative Humidity: (range)	51.3;(54.2-48.4)	% RH
Conditioning Background HCHO:	BLQ	ppm
Conditioning Time:	168	hours
Chamber Background HCHO:	BLQ	ppm

TEST DATA	Value	Units
Test Chamber:	2	n/a
Chamber Location:	Reston	n/a
Test Chamber Volume :	2.31	ft ³
Loading Ratio (ft ² /ft ³) :	0.64	ft ² /ft ³
# of Specimens in Test:	4	n/a
Sample Size:	4.96" x 10 7/8"	inches
Total Surfaces Exposed:	4	surfaces (core)
Edges Sealed:	Yes	n/a
Test Temperature: (range):	77.3;(78.2-76.9)	°F
Relative Humidity: (range):	48.1;(48.3-47.5)	% RH
Air Change Rate:	4	AC/h
Sample Flow Rate:	1.00	L/min
Sample Collection Time:	60	Min.
TEST RESULT: (At Test Conditions)	0.44	ppm
TEST RESULT: (Corrected to 77°F & 50%RH)	0.45	ppm
UNCERTAINTY (+/-):		n/a

NOTES: (including any deviations from the ASTM procedure or sample defects)	The CARB SOP for Finished Good Specimen Preparation was followed to expose the core MDF/HDF panel beneath the laminate surface.
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Analytical Procedure: Modified NIOSH 3500

CUSTOMER INFORMATION	SAMPLE IDENTIFICATION	
Kase Capital 152 W. 57th Street 46th Floor New York, NY 10019	Test ID#:	FSC1264
	Date of Test:	9/17/2015
	Customer Sample ID:	ARK-LAMSH064-N
	Adhesive:	N/A

SAMPLE DESCRIPTION			
Product Type:	12mm Hi-definition Cabreuva Laminate Flooring (Core tested only)	Sample Thickness:	12mm
Core Type:	MDF/HDF	Sample shipped/stored in:	Vapor Barrier
Sample Condition:	OK	Date Selected:	N/A
Date of Manufacture:	5/6/14	Date Received:	8/31/2015
Date Conditioned:	9/10/2015	Selected by:	Client
Date Tested:	9/17/15	Sample Plan:	PAY

CONDITIONING DATA	Value	Units
Temperature: (range)	76.3;(76.9-75.6)	°F
Relative Humidity: (range)	51.3;(54.2-48.4)	% RH
Conditioning Background HCHO:	BLQ	ppm
Conditioning Time:	168	hours
Chamber Background HCHO:	BLQ	ppm

TEST DATA	Value	Units
Test Chamber:	3	n/a
Chamber Location:	Reston	n/a
Test Chamber Volume :	2.31	ft ³
Loading Ratio (ft ² /ft ³) :	0.64	ft ² /ft ³
# of Specimens in Test:	4	n/a
Sample Size:	4.96" x 10 7/8"	inches
Total Surfaces Exposed:	4	surfaces (core)
Edges Sealed:	Yes	n/a
Test Temperature; (range):	78.6;(79.9-77.6)	°F
Relative Humidity; (range):	46.2;(46.6-45.2)	% RH
Air Change Rate:	4	AC/h
Sample Flow Rate:	1.00	L/min
Sample Collection Time:	60	Min.
TEST RESULT: (At Test Conditions)	0.51	ppm
TEST RESULT: (Corrected to 77°F & 50%RH)	0.50	ppm
UNCERTAINTY (+/-):		n/a

NOTES:
(including any deviations from the ASTM procedure or sample defects)
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