

XIAMEN HUILIYUAN IMP. & EXP. CO., LTD
ROOM 204, BUILDING NO. 23 WANGHAI SOFTWARE PARK II, XIAMEN, FUJIAN, CHINA

The following sample(s) was/were submitted and identified on behalf of the client as:

Sample Description : KAYAK
Manufacturer : FUJIAN AIDI ELECTRIC CO., LTD
Test Performed : Dick's Sporting Testing Protocol: DCSG-8536-BOAT RAFT FLOAT CANOE KAYAK-V1
Sample Receiving Date : Jun 22, 2016
Test Performing Date : Jun 22, 2016 to Jun 29, 2016
Test Result(s) : For further details, please refer to the following page(s)
Overall Rating / Conclusion : PASS

Signed for and on behalf of
Guangzhou Branch
SGS-CSTC Ltd.



Arthur Mak
Approved Signatory



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Test Conducted: Based on DCSG-8536-BOAT RAFT FLOAT CANOE KAYAK-V1

Number of Tested Sample: 2piece(s)

Test Results: Details shown as following table

Evaluation	Citation / Method	Criteria	Test Classification	Results	Rating
SCOPE: This protocol is applicable to Non-inflatable boat, raft, float, canoe and kayak.					
SUPPLEMENTAL PROTOCOLS					
CA Prop 65 (if applicable)	DICKS CA PROP 65 REQUIREMENT	The sample shall be reviewed against California Proposition 65 to determine if additional testing and/or labeling is required.	R	NA	/
Upholstery Fabrics (if applicable)	DCSG-HL-PTCL-03000-US	Shall meet applicable requirements in protocol DCSG-HL-PTCL-03000-US	R	NA	/
Note: Additional cost, sample size & TAT will be required if testing to one or more supplemental protocol is necessary. Please refer to the above referenced supplemental protocol(s) for additional information.					
ANALYTICAL					
Total lead content in surface coatings	CPSC Test Method: CPSC-CH-E1003-09.1	All accessible surface coatings shall not contain lead in excess of 0.009% (90ppm) by weight. Notes : 1) Wet paint and sprayed painted components will also be accepted for testing. 2) Max. composite up to 3 colors. 3) Testing will be conducted on product and all reusable carrying bag / packaging included as well.	R	NA	/
LABELING					



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Evaluation	Citation / Method	Criteria	Test Classification	Results	Rating
Name and place of manufacturer, packer or distributor	Uniform Packaging and Labeling Regulations / NIST Handbook 130 Part IV A section 5	Shall be labeled with the manufacturer, packer, or distributor's name and address (city, state and zip) on the packaging.	R	Not provided	/
Product identification	Uniform Packaging and Labeling Regulations / NIST Handbook 130 Part IV A section 3	Shall be labeled with product identification on the packaging.	R	Not provided	/
Net quantity of contents	Uniform Packaging and Labeling Regulations / NIST Handbook 130 Part IV A section 6	Net quantity of contents shall be expressed in terms of weight or mass, measure, numerical count, or combination on the packaging so as to give accurate information to facilitate consumer comparison. Note: US unit expression only is sufficient. No Metric unit is required.	R	Not provided	/
Country of Origin Marking	19 CFR 134	Shall indicate country of origin legibly, permanently, and in comparable size and close proximity to any mention of country other than country in which the article was manufactured or produced. Must be visible at point of purchase.	R	Not provided	/
Hull identification labeling	33 CFR 181	Label shall be permanently applied at location(s) which meet requirements defined in 33 CFR 181.3 and 33 CFR 181.15 to 33 CFR 181.17	R	Not provided	/



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Evaluation	Citation / Method	Criteria	Test Classification	Results	Rating
Claim verification level 3	Claim Verificatoin	<p>Examine the retail packaging (or submitted artwork).</p> <p>Record each objective (factual) claim which can be substantiated by the testing within the protocols and rate accordingly.</p> <p>Additional testing required outside of the protocol shall be approved. Any objective claim not approved by the client shall be recorded as "NT" and rate as "-".</p> <p>If additional testing cannot be conducted due to capability issues, the claims shall be recorded as "NT" and rated as "Data"</p> <p>All subjective (opinion) claims shall be recorded as "Not Tested" and rated as "-".</p> <p>Record information evaluated between the graphic imagery and the product</p> <p>Record disclaimers on datasheet</p>	D	Not provided	/
PHYSICAL CHARACTERISTICS					
Overall Dimensions (length x width x height)	Std. Measure	Report overall length, width, and height. Shall meet label claims and product specification (if available).	D	Claimed:71.1" x25.7" x12" Tested:72" x26" x12"	/



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Evaluation	Citation / Method	Criteria	Test Classification	Results	Rating
Overall product weight	Std. Measure	Report overall product weight (all components included) excluding all packaging materials and instruction manual. Shall meet label claims and product specification (if available).	D	Claimed: 10.2kg Tessed: 9.7kg	/
Passenger area (length x width x height)	Std. Measure	Report overall dimension; shall meet label claims (if applicable).	D	Tested: 49" x 17" x 3.5"	/
Maximum persons	Visual	As claimed	D	Not claimed	/
Maximum weight capacity	Visual	As claimed	D	55kg	/
Defects	Visual	Shall have no discernible surface degradation, including crazing, shivering, denting, bubbles, cracks, stains, deformations, chips, fractures, heavy lines, waves, shear marks, scratches, scuff marks, indentations, or blisters.	D	M	Pass
PERFORMANCE					



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Evaluation	Citation / Method	Criteria	Test Classification	Results	Rating																								
Extreme temperature change	Temperature Chamber	[for plastic parts] After conditioned at 0°F freezing (4 hours) followed by 4 hours 120°F heating (4 hours), no cracking, deformation or other failure shall occur.	D	M See annex A	Pass																								
Resistance to corrosion	ASTM B117-11 modified / ASTM D610-08 modified	[Applicable to samples / sample components constructed of metal or samples with metallic coatings] Shall withstand 24 hours in 1% salt spray (fog) with Grade 6 or above grading. Tarnishing should be rated as DATA. Attach photos of observation in report for our reference <table border="1"> <thead> <tr> <th>Grade</th> <th>Percent of Surface Changed</th> </tr> </thead> <tbody> <tr> <td>10</td> <td>Less than or equal to 0.01 percent</td> </tr> <tr> <td>9</td> <td>Greater than 0.01 percent and up to 0.03 percent</td> </tr> <tr> <td>8</td> <td>Greater than 0.03 percent and up to 0.1 percent</td> </tr> <tr> <td>7</td> <td>Greater than 0.1 percent and up to 0.3 percent</td> </tr> <tr> <td>6</td> <td>Greater than 0.3 percent and up to 1.0 percent</td> </tr> <tr> <td>5</td> <td>Greater than 1.0 percent and up to 3.0 percent</td> </tr> <tr> <td>4</td> <td>Greater than 3.0 percent and up to 10.0 percent</td> </tr> <tr> <td>3</td> <td>Greater than 10.0 percent and up to 16.0 percent</td> </tr> <tr> <td>2</td> <td>Greater than 16.0 percent and up to 33.0 percent</td> </tr> <tr> <td>1</td> <td>Greater than 33.0 percent and up to 50.0 percent</td> </tr> <tr> <td>0</td> <td>Greater than 50 percent</td> </tr> </tbody> </table> Modification = 1% salt spray (fog) for ASTM B117.	Grade	Percent of Surface Changed	10	Less than or equal to 0.01 percent	9	Greater than 0.01 percent and up to 0.03 percent	8	Greater than 0.03 percent and up to 0.1 percent	7	Greater than 0.1 percent and up to 0.3 percent	6	Greater than 0.3 percent and up to 1.0 percent	5	Greater than 1.0 percent and up to 3.0 percent	4	Greater than 3.0 percent and up to 10.0 percent	3	Greater than 10.0 percent and up to 16.0 percent	2	Greater than 16.0 percent and up to 33.0 percent	1	Greater than 33.0 percent and up to 50.0 percent	0	Greater than 50 percent	D	M Grade:10	Pass
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Evaluation	Citation / Method	Criteria	Test Classification	Results	Rating
Sharp points / edges	16 CFR 1500.48/1500.49 modified	Shall have no sharp points/edges, other than those required for function. Modification = Expand the scope to other products	D	M	Pass
Breaking strength - perpendicular (Lbs.)	Tensile force	[Oarlock Strength] 50 Lbs. Modification: clamping device	D	NA	/
Breaking strength - perpendicular (Lbs.)	Tensile force	[Oarlock Strength] 50 Lbs. Modification: clamping device	D	NA	/
Breaking strength - parallel (Lbs.)	Tensile force	[Oarlock Strength] 50 Lbs. Modification: clamping device	D	NA	/
Breaking strength - perpendicular (Lbs.)	Tensile force	[Rope bit strength] 50 Lbs. Modification: clamping device	D	M	Pass



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Evaluation	Citation / Method	Criteria	Test Classification	Results	Rating
Breaking strength - parallel (Lbs.)	Tensile force	[Rope bit strength] 50 Lbs. Modification: clamping device	D	M	Pass
Oarlock joint strength	Tensile force	Min. 40 Lbs. perpendicular to joint	D	NA	/
Capacity - maximum weight	Actual use	As claimed	D	M Loading:55kg	Pass
Durability of folding parts	Actual use	No failure after 100 cycles of open-close.	D	M	Pass
Leak Test	Actual use	Apply soap solution on whole body surface, blow air into kayak body. Observe if any bubble is noted. Shall not have any bubbles.	D	M	Pass
Loading Test	Mass Weight	Loading with the claimed load on the water for 15 minutes. Shall not have any water leakage inside the kayak.	D	M Loading:55kg	Pass
Foot peg loading Test	UTM / Mass Weight	Foot pegs shall withstand at least 132 pound compressive load with no breakage. The force should be applied at the farthest position from its anchor point.	D	NA	/



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Evaluation	Citation / Method	Criteria	Test Classification	Results	Rating
Tape test for coating adhesion determination	ASTM D3359 Mod.	Use a 6-teeth cutting blade to make Hatch Cuts on the printed letters, designated tape is applied over the hatch area for 90 second. After tape is lifted off, the minimum grade shall be Class 3B (i.e. 5-15% removal) or better.	D	NA	/
COLORFASTNESS					
Colorfastness to light	AATCC 16.3	[Option 3] Minimum Grade 3.0 @ 60 hours Report actual measurements	D	M See annex B	Pass

Result Key:		Result Key:	
M	Meets	NT	Not Tested
NM	Does Not Meet	C / R	Claimed / Recorded
NA	Not Applicable	NR	Not Requested

Test Classification:		Rating Key:
R	Mandatory / Regulatory Requirement	Pass
I	Industrial Standard Requirement	Fail
D	Dicks Sporting Goods Requirement	CAR

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Sample Photo(s):



Annex A: SGS Ref. No. is SDHL1605008869PK

This test was subcontracted to SGS other qualified subcontractor.

Test Procedure (As per client's requirement)

Test Equipment Used	:	Walk-in Temperature and Humidity Chamber
Style of Specimen	:	KAYAK
Number of Tested Specimen	:	1 pc
Pre-test inspection	:	No cracking, deformation or other failure shall occur on the test sample appearance

1. Atmospheric Conditioning Test

Step No #	Temperature (°F)	Storing Duration (hours)
1	0	4
2	120	4

Result:

Satisfactory: After performing the above tests, no cracking, deformation or other failure shall occur were found on the appearance of the sample.

Annex B: SGS Ref. No. is GZIN1605023624MR

Test Item: Light Ageing Test-Xenon-arc Exposure

Sample Description: See photo

Test Method: AATCC Test Method 16.3-2014 Option 3 & AATCC Evaluation Procedure 1-2012

Test Condition:

Exposure cycle:

AATCC Test Method 16.3-2014 Option 3

Irradiance: $(1.10 \pm 0.03)W/(m^2 \cdot nm)$ @420nm

Continuous light at $(63 \pm 1)^\circ C$ BPT, $(30 \pm 5)\%RH$

Filter: Window

Exposure period: 60h



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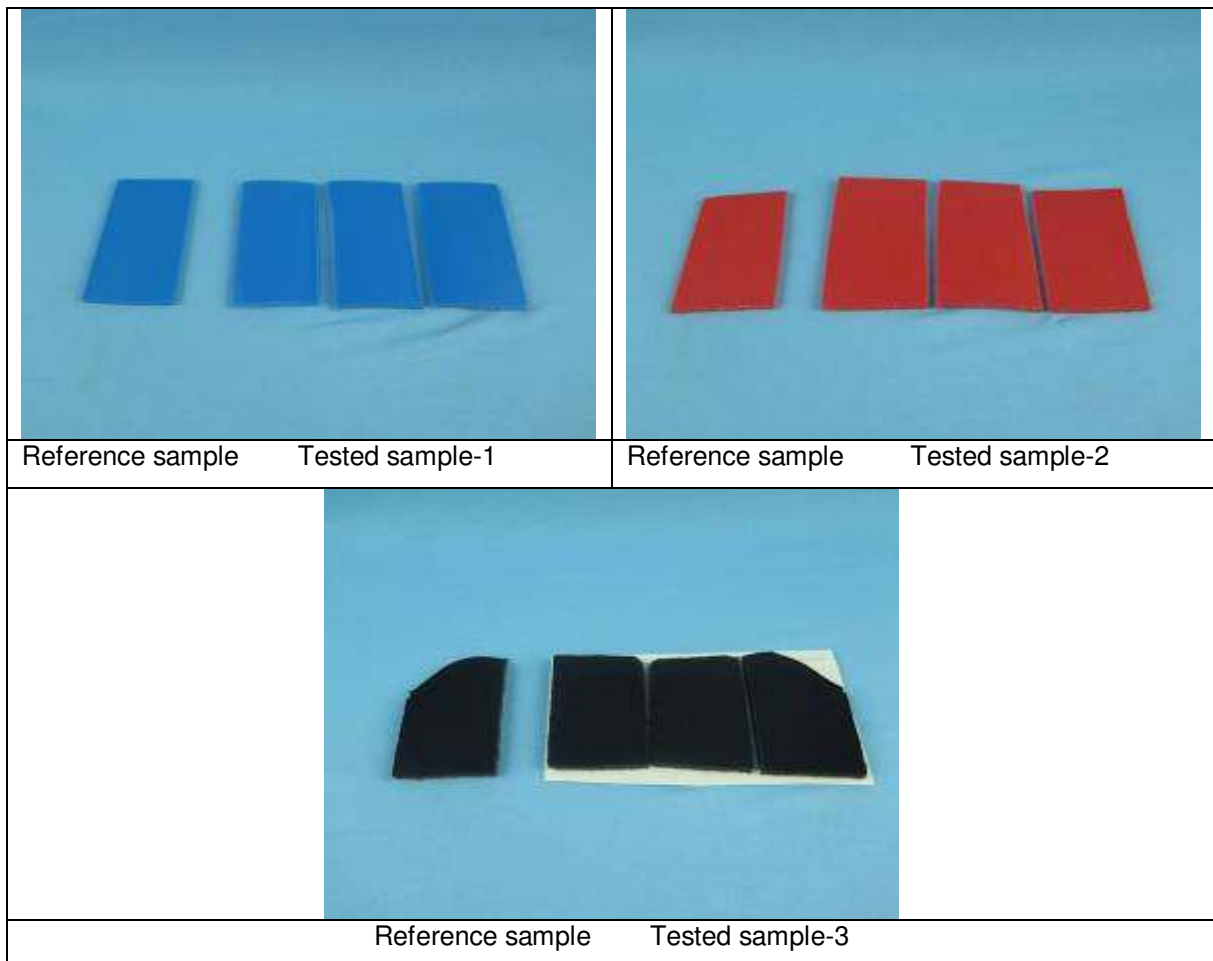
Test Result:

Note:

Sample	Gray scale	Client's requirement	Conclusion
1	4-5	Gray scale ≥ 3	Pass
2	4-5		Pass
3	4-5		Pass

According to AATCC Evaluation Procedure 1-2012, the gray scale was determined under the D65 standard light, with scale 5 as the best and scale 1 as the worst.

Test Photo:



Equipment Information:

Equipment	Model	Equipment No.	Calibration date	Next Calibration date
Xenon Weathering Tester	Q-Sun XE-3-HDS	GZMR-AG-E108	2015-11-11	2016-11-10
Colour Assessment Cabinet	CAC60	GZMR-AG-E003	2015-08-12	2016-08-11

Remark: This test report is to supersede No. GZHL1606026601SP-01 test report which was issued on Jul 13, 2016. And the original test reports (paper and electronic) are invalid.

End of Report



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