

Test Report

No.: SDHL1904005396FT

Date: Aug.09, 2019

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DOREL HOME FURNISHINGS EUROPE LTD
BUILDING 4, IMPERIAL PLACE, MAXWELL ROAD, BOREHAMWOOD, HERTFORDSHIRE. WD6 1JN

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

Sample Description : CLEAR GLASS+ BLACK POWDER COATED METAL TUBE
Ref. No/Item No. : AW53385/ AIR DESK SMOKED GLASS
Buyer : DOREL HOME FURNISHINGS EUROPE LTD
Manufacturer : LONG SHENG OFFICE FURNITURE CO LTD
Supplier : LONG SHENG FURNITURE
Country of Origin : CHINA
Country of Destination : UK
Labeled Age Grading : ADULT
Sample Receiving Date : Apr.04, 2019
Sample 1st Resubmission Date : May 05, 2019
Sample 2nd Resubmission Date : May 22, 2019
Sample 3rd Resubmission Date : Aug.06, 2019
Test Performing Date : Apr.09, 2019 to Aug.09, 2019

Test Result Summary

Test(s) Requested	Result(s)
BS EN 12521:2015, excluding the horizontal durability test	PASS
Horizontal durability test (8,800 cycles)	PASS

Summary:

- For further details, please refer to the following page(s).

Signed for and on behalf of
Shunde Branch
SGS-CSTC Co., Ltd.




SDHL1904005396FT



Bill Wang
Approved signatory



SGS-CSTC Shunde Branch
Shunde Branch Harbin

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TESTS AND RESULTS
Part I. Test Conducted:

BS EN 12521:2015 Furniture – Strength, durability and safety – Requirements for domestic tables, excluding the horizontal durability test.

No. of Sample:

1 piece (Sample 1). For more sample information and pictures, please refer to the following page.

Table Type:

☒ All other tables.

Test and Requirements	Test Results
5 Safety requirements	
5.1 General requirements The table shall be so designed as to minimize the risk of injury to the user. All parts of the table with which the user comes into contact during intended use shall be so designed that physical injury and damage are avoid. There requirements are met when 1) the edges of table tops which are directly in contact with the user shall be rounded or chamfered. All other edges accessible during use shall be free from burrs and/or sharp edges 2) the ends of hollow components are closed or capped. Movable and adjustable parts shall be designed so that injuries and inadvertent operation are avoided. It shall not be possible for any load bearing part of the table to come loose unintentionally. All parts that are lubricated to assist sliding shall be designed to protect users from lubricant stains when in normal use.	PASS
5.2 Shear and squeeze points	
5.2.1 Shear and squeeze points when setting up and folding Unless 5.2.2 or 5.2.3 are applicable, shear and squeeze points, as defined in 3.3, that are created only during setting up and folding, including the installation of extensions to the main table surface are acceptable, because the user can be assumed to be in control of his/her movements and to be able to cease applying the force immediately upon experiencing pain. The edges of parts moving relative to each other and creating shear and squeeze points shall be as specified in 5.1.	N/A
5.2.2 Shear and squeeze points under the influence of powered mechanisms There shall be no shear and squeeze points created by parts of the table operated by powered mechanisms, i.e. springs, gas lifts and motorized systems.	N/A
5.2.3 Shear and squeeze points during use There shall be no shear and squeeze points created by forces applied during normal use. There shall be no shear and squeeze points if a hazard is created by the user during normal movements and actions, e.g. attempting to move the table.	PASS



Test and Requirements	Test Results
6 Stability, strength and durability (With reference to the test methods of EN 1730:2012) Tables shall be tested for stability, strength and durability according to and following the order as below. The table shall fulfill the following requirements after tested. 1) there are no fractures of any member, joint or component, 2) there is no loosening of joints intended to be rigid, 3) the table fulfils its functions after removal of the test loads, 4) the table shall not tip over.	
EN 1730, 6.2 Horizontal Static Load Test Apply a mass of 50 kg to an area of (300 ± 50) mm x (300 ± 50) mm, or a diameter of (300 ± 50) mm, to the approximate centre of the table top. Apply the horizontal force of ☐ 200 N / ☒ 400 N by means of the loading pad (Dia=100 mm) at the table top level in a direction perpendicular to a line joining the two legs/supports, midway between the legs/supports. One application of the force in each direction (total 4 directions) represents one cycle. Repeat the above operation for 10 cycles. <i>Note:</i> <i>If the table top is not secured to the understructure and the top moves when the specified force is applied, reduce the force sufficiently to just prevent movement. Record the force applied. The applied force shall not be reduced below the minimum specified force of ☐ 100 N / ☒ 200 N.</i> <i>If the unrestrained base lifts when the specified force is applied, reduce the force sufficiently to just prevent lifting. Record the force applied. The applied force shall not be reduced below the minimum specified force of ☐ 100 N / ☒ 200 N. If unrestrained base lifts at this force, the specified mass applied to the table top shall be increased gradually until this tendency ceases.</i>	PASS
EN 1730, 6.3 Vertical Static Load Tests Tables with extension pieces shall be tested both in the extended and unextended configurations. A table extension added in the centre of the table shall be tested as the main surface. A part of the main surface in the unextended configuration can become an ancillary surface in the extended configuration.	
EN 1730, 6.3.1 Vertical static load on main surface Apply the vertical force of F_v using the loading pads 100 mm in diameter on the top that is likely to cause a failure, but not less than 100 mm from any edge for 10 times. If the table tends to overturn gradually, move the loading point towards the centre of the table until this tendency ceases. (1) If height of main surface ≤ 600 mm, $F_v = \text{input type="checkbox"/> 1000 N / \text{input checked="" type="checkbox"/> -- N$; (2) If height of main surface > 600 mm, $F_v = \text{input type="checkbox"/> 250 N / \text{input checked="" type="checkbox"/> 1000 N$;	PASS
EN 1730, 6.3.2 Additional vertical static load test where the main surface has a length > 1 600 mm Apply two vertical downward forces F_v simultaneously using the loading pad (Dia=100 mm) at points positioned on the longitudinal axis of the table top, 400 mm on either side of the transversal axis for 10 times.	N/A
EN 1730, 6.3.3 Vertical static load on ancillary surface (Only for all other tables) Apply a vertical downward force of ☐ -- N / ☒ 200 N using the loading pad (Dia=100 mm) anywhere on the ancillary surface that is likely to cause a failure, but not less than 100 mm from any edge for 10 times. If the article tends to overturn, load the main table top gradually to prevent overturning. If there are several such positions repeat the test at a maximum of two different positions.	N/A



Test and Requirements	Test Results
EN 1730, 6.4 Horizontal Durability Test Place a mass of 50 kg on the geometric center of the table top. Apply two alternating horizontal forces of ☐ 150 N / ☒ 300 N using the loading pads 100 mm in diameter alternately at the top surface of the table for ☐ 5,000 / ☒ 10,000 cycles. One force is at one end of the table 50 mm from the corner and the other at the opposite end. Repeat above operation at the other corners. <i>Note:</i> <i>If the table top is not secured to the understructure and the top moves when the specified force is applied, reduce the force sufficiently to prevent movement. Perform the test using this reduced force in that direction only. Record the value of any reduced force used.</i> <i>If the table tends to lift in one direction of loading at a load less than that specified, reduce the horizontal force to the value determined at the beginning of the test process. Perform the test using this reduced force in that direction only. Record the value of any reduced force used.</i>	N/R
EN 1730, 6.5 Vertical Durability Test for cantilever or pedestal tables (Only for all other tables) Apply the vertical force of 300 N using the loading pads 100 mm in diameter on the top of the table at any position that is not less than 100mm from any edge. Repeat above operation for ☐ -- / ☒ 10,000 times. <i>Note:</i> <i>Tables with extensions inserted in the centre shall be tested in the extended configuration. All other tables shall be tested without extending ancillary surfaces.</i> <i>If the article tends to lift, load the centre of the main table top with a mass sufficient to prevent overturning.</i>	PASS
EN 1730, 6.6.1 & 6.6.3 Vertical Impact Test for tables without glass in their construction Place one layers of 25 mm thick polyether foam on the table top. The height of drop shall be measured from the position where the impactor is resting on the surface of that layer of foam. Place a second layer of 25 mm thick polyether foam between the striking surface and the table top. Allow the 25 kg impactor to fall freely from the height of ☐ 140 mm / ☒ 180 mm onto the table top at any position within 100 mm from the edge for 10 times.	N/A
EN 1730, 6.6.1 & 6.6.2 Vertical Impact Test for tables with glass in their construction – safety glass Place a piece of 100 mm thick polyether foam sheet between the striking surface and the table top. Allow the 25 kg impactor to fall freely from the height of ☐ 140 mm / ☒ 180 mm onto the table top at any within position 100 mm from the edge for 10 times. <i>Note:</i> <i>Glass is considered to be safety glass if the glass fulfils the requirements in EN 12150-1:2015, Clause 8, fragmentation test, or where the mode of breakage (β) according to EN 12600:2002, is Type B or Type C.</i> <i>Impact the table top in accordance with the positions defined within EN 1730:2012, 6.6.3.</i>	PASS



Test and Requirements	Test Results
EN 14072:2003, 6 Vertical Impact Test for tables with glass in their construction – other glass Place a piece of 100 mm thick polyether foam sheet between the striking surface and the table top. Allow the 25 kg impactor to fall freely from the height of ☐ 180 mm / ☒ 240 mm onto the table top at any position within 100 mm from the edge for 10 times. <i>Note: Impact the table top in accordance with the positions defined within EN 1730:2012, 6.6.3.</i>	N/A
EN 1730, 7.1 & 7.2 Stability under Vertical Load Apply the vertical force of $F=L/4$ (N) at the position 50 mm from the outer edge of the tabletop on the side where the load is most likely to cause overturning as far away from the support as possible. If the table (<i>only for all other table</i>) has an ancillary surface, $F'=L'/8$ (N) shall be applied at the specified positions of ancillary surface; When L or $L' \leq 800$ mm, F or $F'=V1$; When L or $L' > 1600$ mm, F or $F'=V2$; Main surface: Small table: $V1=200N$, $V2=400N$; Other table: $V1=200N$, $V2=400N$; Ancillary surface: Small table: Not applicable; Other table: $V1=100N$, $V2=200N$; L is the longest dimension of the table top in the overturning direction; L' is the longest dimension of the ancillary surface in the overturning direction; <i>Note:</i> Tables that are or can be set to a height greater than 950 mm shall not overturn when tested according to 7.2.2 using 50 % of the specified vertical load (V). Tables with extension pieces shall be tested both in the extended and unextended configurations. A table extension added in the centre of the table shall be tested as the main surface. A part of the main surface in the unextended configuration can become an ancillary surface in the extended configuration. For tables that might not fulfil the stability requirements before carrying out any tests, the applicable stability tests shall be carried out before starting the sequence of tests specified in this table.	PASS
5.3.2 Stability for tables with extension elements (Only for all other tables) Load each extension element with the load specified. For tables with extension elements not fitted with interlocks open all extension elements in the least favourable combination. For tables with extension elements fitted with interlocks open the two extension elements with the largest loads without overriding the interlock. If an interlock device prevents any two of the extension elements from being opened simultaneously, open the extension element with the largest load. The table shall not overturn when the vertical force of ☐ -- / ☒ 200 N is applied at the centre of the front of the table, 50 mm from the edge. <i>Note: For tables that might not fulfil the stability requirements before carrying out any tests, the applicable stability tests shall be carried out before starting the sequence of tests specified in this table.</i>	N/A
7 Information for use Information for use shall be available in the language of the country in which it will be delivered to the end user. It shall contain at least the following details: a) assembly instructions, where applicable, b) instructions for the care and maintenance of the table.	PASS



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Part II. Test Conducted:

Horizontal durability test with reference to BS EN 12521:2015 and applicant's requirement.

No. of Sample:

1 piece (Sample 1). For more sample information and pictures, please refer to the following page.

Table Type:

☒ All other tables.

Test and Requirements	Test Results
EN 1730, 6.4 Horizontal Durability Test Place a mass of 50 kg on the geometric center of the table top. Apply two alternating horizontal forces of 300 N using the loading pads 100 mm in diameter alternately at the top surface of the table for 8,800 cycles. One force is at one end of the table 50 mm from the corner and the other at the opposite end. Repeat above operation at the other corners. The table shall keep its function.	PASS

Remark:

1. N/A – Not applicable; N/R – Not Requested; N/P – Not provided.
2. For the sample information and pictures, please refer to the following page.



SGS-CSTC Standards Technical Services Co., Ltd.
Shunde Branch Harimies

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SAMPLE INFORMATION AND PICTURES

Weight: 26.85 kg

Overall Dimensions: 1200 mm L x 600 mm W x 750 mm H

Other Dimensions: /

Sample as Received



End of Report



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