TUV Rheinland (Shanghai) Co., Ltd.
Furniture Department

TÜVRheinland®
LGA

Test report

153183164/SHF/01-01

Object: Soft closing hinge with integrated damper ¢26mm

Order: 40000 cycles durability test refer to EN 15570

Statement:

The tests were carried out between Dec 05. and Dec 21, 2011. The mechanical tests were conducted according to EN 15570: 2008 and with respect to the present state of safety engineering.

The Soft closing hinge with integrated damper ¢26mm **complies** with the above mentioned safety requirements.

Technical data and test results can be seen in the following test report.
The test report consists of 4 pages.

Note: The test results exclusively base on the presented samples.
No specific retailer or third past requirements were part of the tests and order.

Shanghai, 21.Dec.2011

TUV Rheinland (Shanghai) Co., Ltd.
Furniture Department

Li Yun
Laboratory Manager
Reviewed by

Sean Yuan
Project engineer

TUV Rheinland (Shanghai) Co., Ltd.
3F, TUV Building No. 177, 777 West Guang Zhong Road, • Shanghai 200072
Tel. +86 (0) 21 61081188 • Fax +86 (0) 21 61081199
E-Mail: info@shg.chn.tuv.com • http:// www.chn.tuv.com

Item / Test Object:

Article:	Soft closing hinge with integrated damper ¢26mm		
Model:			
Number of samples:	4 pcs		
Supplied by:	SISO A/S		
Received on:	05.Dec.2011		
Sample Id.-No.:	111020		
Height:	500 mm	Width:	400 mm
Thickness:	19 mm	Total weight:	2.69 kg

Scope of testing

-Construction Check -Description of test sample / Dimensions -40000-cycle durability test

Scope of the test results

The test findings only refer to the sample submitted for test. The digital pictures shown in this report are for additional information only and are not part of this report.

Note:
It should be understood that fulfilling the specified requirements does not ensure that failure will not occur as a result of habitual misuse or after an excessively long period of service. The tests consist of the application of loads, forces and velocities simulating normal functional use, as well as misuse, that might reasonably be expected to occur. With the exception of the corrosion test in Clause 6.4, the tests are designed to evaluate properties without regard to materials, design/construction or manufacturing processes. The strength and durability tests only relate to the hinges and the parts used for the attachment,
e.g. mounting plates and screws. The strength and durability tests are carried out in a test frame with specified properties. The test results can only be used as a guide to the performance of a piece of furniture. The test results are only valid for the hinges tested. These results may be used to represent the performance of production models provided that the tested model is representative of the production model. With the exception of corrosion, ageing and the influence of heat and humidity are not included.

General tolerances

Unless not otherwise specified the accuracy of the linear dimension is defined according to DIN 7168-g relating to old design and DIN ISO 2768 part 1 „c“ for new design. For all other physical dimensions the uncertainty of measurement shall have an accuracy of < 5 % of the nominal force.

Laws, standards and directives of the tests

Hardware for furniture -Strength and durability of hinges and their components -Hinges pivoting on a vertical axis 2 PfG L 0088 Assembling instructions and user manuals

TUV Rheinland (Shanghai) Co., Ltd.
Furniture Department

Brief description:

Dimensions [mm]: Hinge:

Closed position Opened position
Length: 28.7 mm 76.2 mm Depth: 12.6 mm 22.2 mm Height: 52.2 mm 51.2 mm
Total Weight: 82.4 g

Test frame: Door:
-The mass and size of door provided by client.

-The mass and size of the side frame provided by client.

Item / Test Object:

Article:	Soft closing hinge with integrated damper ¢26mm
Model:	
Number of samples:	4 pcs

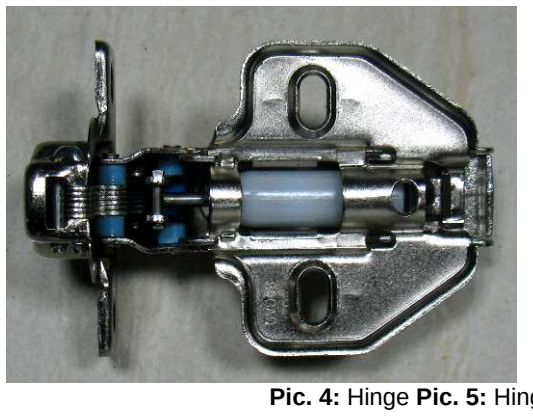
Pictures:

Pic. 1: Sample

Pic. 2: Hinge

Pic. 3: Hinge

Pic. 4: Hinge



Pic. 5: Hinge

Objections:

None

Recommendation:

None

Remarks:

The position and assembling of the door is acc. to client's specification.

Test sample was presented without assembly instruction; the assembling of the door is acc. to laboratory in-house method.

Test sample was presented in a neutral packaging. Serial identification label (marking) (at a place were it is likely not to be removed by the customer right after purchase), product characteristics (such as dimensions, maintenance…) and Conditions for use of the product (domestic use) shall be at the packaging or on products.

The tests were carried out in indoor ambient conditions at a temperature between 15 °C – 25 °C.

Tests on harmful substances were not within the scope of tests.

Technical tests

All requirements and test performances according to EN 15570:2008.

Functional tests (clause 6.3):

cl. 6.3.7: Durability

- Load the door with two masses, 1kg each side;
- 40 000 times.

Requirement: -The hinges and their components shall fulfill their functions.
Passed

---The end of the report --