

Prüfbericht-Nr.: Test Report No.:	184031077/GZF/01-01	Auftrags-Nr.: Order No.:	184031077	Seite 1 von 6 Page 1 of 6
Kunden-Referenz-Nr.: Client Reference No.:	N/A	Auftragsdatum: Order date:	04. 05. 2018	
Auftraggeber: Client:	HAINAN UNIHOPPER HARDWARE CO., LTD - Room 2404~2407, Office Building B, Fengxing Plaza, No.242, Tianhe Road, Guangzhou, China			
Prüfgegenstand: Test item:	Drawer slide			
Bezeichnung / Typ-Nr.: Identification / Type No.:	full extension concealed slide / CL12E . 450			
Auftrags-Inhalt: Order content:	Partial mechanical safety test for domestic use and following the parameter "column 2" of Annex C, EN 15338:2007+A1:2010 with client's requirement			
Prüfgrundlage: Test specification:	EN 15338:2007+A1:2010 Hardware for furniture – Strength and durability of extension elements and their components			
Wareneingangsdatum: Date of receipt:	30. 04. 2018			
Prüfmuster-Nr.: Test sample No.:	A000150928-001			
Prüfzeitraum: Testing period:	04. 05. 2018-12. 05. 2018			
Ort der Prüfung: Place of testing:	Unit 201, NO.7 Caipin Road, Guangzhou, P.R. China			
Prüflaboratorium: Testing laboratory:	TÜV Rheinland (Guangdong) Ltd.			
Prüfergebnis*: Test result*:	Pass			
geprüft von / tested by:		kontrolliert von / reviewed by:		
14. 05. 2018	Kingsley He / PE	14. 05. 2018	Waley Huang / Reviewer	
Datum Date	Name / Stellung Name / Position	Unterschrift Signature	Datum Date	Name / Stellung Name / Position
Sonstiges / Other:				
Zustand des Prüfgegenstandes bei Anlieferung: Condition of the test item at delivery:		Prüfmuster vollständig und unbeschädigt Test item complete and undamaged		
* Legende: 1 = sehr gut 2 = gut 3 = befriedigend 4 = ausreichend 5 = mangelhaft P(ass) = entspricht o.g. Prüfgrundlage(n) F(ail) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendbar N/T = nicht getestet				
Legend: 1 = very good 2 = good 3 = satisfactory 4 = sufficient 5 = poor P(ass) = passed a.m. test specification(s) F(ail) = failed a.m. test specification(s) N/A = not applicable N/T = not tested				
Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.				

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Prüfbericht-Nr.: 184031077/GZF/01-01
Test Report No.:

Seite 2 von 6
Page 2 of 6

Liste der verwendeten Prüfmittel
List of used test equipment

[illegible]

Prüfbericht-Nr.: 184031077/GZF/01-01
Test Report No.:

Seite 3 von 6
Page 3 of 6

Produktbeschreibung
Product description

1	Produktdetails <i>Product details</i>	See page 6
2	Maße / Gewicht <i>Dimensions / Weight</i>	See page 6
3	Bedienelemente <i>Operating elements</i>	Drawer slide with damper
4	Ausstattung / Zubehör <i>Equipment / Accessories</i>	N/A
5	Verwendete Materialien <i>Used materials</i>	Metal and plastic
6	Sonstiges <i>Other</i>	N/A

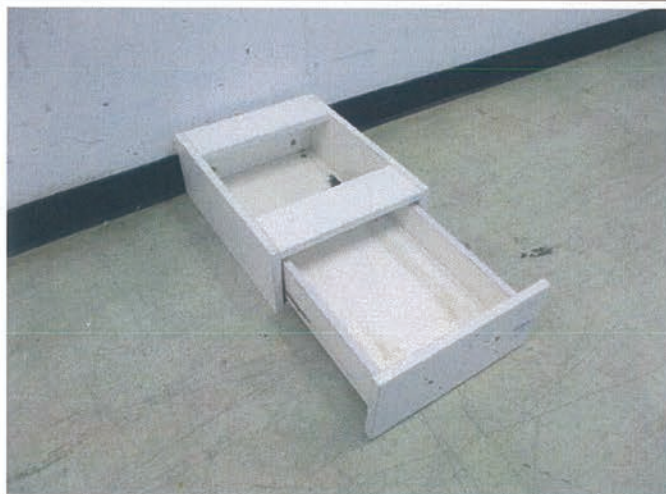
Pic. 1: Overview (extended)



Pic. 2: Brand marking



Pic. 3: Test frame and drawer



Prüfbericht-Nr.: 184031077/GZF/01-01
Test Report No.:

Seite 4 von 6
Page 4 of 6

Absatz	EN 15338:2007+A1:2010	Messergebnisse - Bemerkungen	Bewertung
Clause	Anforderungen - Prüfungen / Requirements - Tests	Measuring results - Remarks	Evaluation

EN 15338:2007+A1:2010

1	Scope		
2	Normative references		
3	Terms and definitions		
4	General test conditions		
5	Test apparatus		
6	Test procedures and requirements		
6.1	General		
6.2	Overload tests	Test parameter see Annex C (refer to Note #1)	/
6.2.1	General		
6.2.2	Vertical downwards static overload		N/T
6.2.3	Horizontal sideways static overload		N/T
6.2.4	Outwards static overload		N/T
6.2.5	Slam-shut/open		N/T
6.3	Functional tests	Test parameter see Annex C (refer to Note #1)	/
6.3.1	General		
6.3.2	Deflection of extension element bottoms		N/T
6.3.3	Deformation of front and back		N/T
6.3.4	Operating forces ($M < 40 \text{ kg}$, $F \leq 50 \text{ N}$; $M \geq 40 \text{ kg}$, $F \leq 12.5\% M$)		N/T
6.3.5	1 st vertical downwards static load test		N/T
6.3.6	1 st horizontal sideways static load		N/T
6.3.7	Determination of reference point for the deflection of front		/
6.3.8	Durability	Load and test rate used: 30 kg, 8 cycles/min Total: 50000 cycles (refer to Note #2)	P
6.3.9	Deflection of front ($\leq 4\%$ of n_x)		N/T
6.3.10	2 nd vertical downwards static load		N/T
6.3.11	2 nd horizontal sideways static load		N/T
6.3.12	Operating forces ($M < 40 \text{ kg}$, $F \leq 50 \text{ N}$; $M \geq 40 \text{ kg}$, $F \leq 12.5\% M$)		N/T
6.3.13	Slam-shut/open		N/T
6.4	Corrosion resistance (EN ISO 6270-2:2005): Requirement: 3 cycles AHT	(refer to Note #1)	N/T
6.5	Test Report		
Annex A	(normative) Product information system		
A.1	General		
A.2	Field of application	(refer to Note #1)	



Prüfbericht-Nr.: 184031077/GZF/01-01
Test Report No.:

Seite 5 von 6
Page 5 of 6

Absatz	EN 15338:2007+A1:2010	Messergebnisse - Bemerkungen	Bewertung
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A.3	Loading capacity		N/T
A.4	Open stops		N/T
A.5	The maximum height of the front		N/T
A.6	Corrosion test		N/T
A.7	Other information		N/T

Annex B (normative) Apparatus for slam-shut/open of extension elements

Annex C (normative) Test parameters

Table C.1 — Overload tests

Clause/Test	Unit	Loads and velocities		
		1	2	3
6.2.2 Vertical static overload (max.)	N	200	250	300
6.2.3 Horizontal static overload (max.)	N	100	125	150
6.2.4 Outwards static overload (max.)	N	200		
6.2.5 Slam shut/open				
Factor (using falling mass)	K	2,5		
Calibration velocities (using pneumatic)	m/s	1,0/1,3		

Table C.2 — Functional tests

Clause/Test	Unit	Loads, cycles and velocities		
		1	2	3
6.3.3 Load on front and back (max.)	N	100	200	200
6.3.5 + 6.3.10 Vertical downwards static load (max.)	N	100	150	200
6.3.6 + 6.3.11 Horizontal sideways static load (max.)	N	50	75	100
6.3.7 Durability	cycles	20.000	50.000	80.000 ^a
6.3.12 Slam shut/open				
Factor (using falling mass)	K	1,25		
Calibration velocities (using pneumatic)	m/s	0,5/0,8		

^a if the loading capacity is > 15 kg: 60.000 cycles

Note:

#1. Only durability test was performed per customer's request.

#2. The tested sample was no loss of serviceability after durability test, but no supporting measurement data of cl.6.3.9 and cl.6.3.12 was available.



Prüfbericht-Nr.: 184031077/GZF/01-01
Test Report No.:

Seite 6 von 6
Page 6 of 6

Absatz	EN 15338:2007+A1:2010	Messergebnisse - Bemerkungen	Bewertung
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Dimensions:

Outer dimension

Height: 90 mm
Width: 305 mm
Depth: 390 mm
Front height: 160 mm

Inner dimension

Height: 65 mm
Width: 275 mm
Depth: 360 mm
Extension length (n_x): 285 mm

Slide

Height: 45 mm
Width: 50 mm
Depth: 398 - 585 mm
Material thickness: Ca. 1.5 mm

Weight of drawer: 3.32 kg

Weight of the slide: 453 g (Only one side)

Loading capacity (M): 20 kg ☒ with catch device

Remark:

- List of used test equipment could be traceable and provided separately upon request.
- Clause(s) with the symbol " / " in the result refers to the result(s) of its sub-clause(s).
- This test report does not give evidence of the compliance of relevant standard(s) by the submitted sample but only the requested test(s).
- Detailed information regarding measurement uncertainty is available in the test laboratory(s) and could be shown on client request. Deviation report in Simplified Chinese is available on client's request.



*** End of test report ***