

# CBT SUPPLY, INC DBA SMARTDESKS TEST REPORT

**SCOPE OF WORK**

ANSI/BIFMA X5.5-2014 DESK/TABLE PRODUCTS testing on SF1363030K19 Table

**REPORT NUMBER**

104042804GRR-001B

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## REPORT FOR CBT SUPPLY, INC DBA SMARTDESKS

Report No.: 104042804GRR-001B

Date: 17-Dec-2019

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### SECTION 1

#### CLIENT INFORMATION

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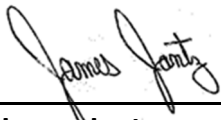
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**SECTION 2****SUMMARY AND CONCLUSION**

Date Received: 26-Aug-2019 to 13-Dec-2019  
 Dates Tested: 28-Aug-2019 to 16-Dec-2019

**DESCRIPTION OF SAMPLES AS RECEIVED**

Part Description: SF1363030K19 Table  
 Condition of Samples: New Packaged Sample  
 Number of Samples Received: Two (2)

**WORK REQUESTED/APPLICABLE DOCUMENTS**

ANSI/BIFMA X5.5-2014 DESK/TABLE PRODUCTS  
 Intertek quote Qu-00988549 & Qu-01014796

**CONCLUSION**

SAMPLE ID	ANSI/BIFMA X5.5-2014 DESK/TABLE PRODUCTS	RESULTS
1	4.4 Horizontal Stability Test Desk Table with Casters	CONFORMING
1	4.5 Stability Test for Keyboard/Laptop Tables	CONFORMING
1	5.2 Concentrated Functional Load Test	CONFORMING
1	5.4 Concentrated Proof Load Test	CONFORMING
1	6. Top Load Ease Cycle Test	CONFORMING
1	16 Keyboard Support and Input Device Support Adjustment Tests	CONFORMING
2	18. Durability Test for Desks & Tables with Casters	CONFORMING

**SAMPLE DISPOSITION**

The sample remains at Intertek upon test completion.

**TEST EQUIPMENT:**

ASSET ID	DESCRIPTION	CAL DATE	CAL DUE
138012	Scale/0-1,000#	09/30/2019	09/30/2020
138039.10	WEIGHT BAG	VBU	VBU
138148	DIGITAL PROTRACTOR	12/19/2018	12/19/2019
138397	Portable Vertical Loading Test Stand	VBU	VBU
138500.14	Stopwatch	05/16/2019	05/16/2020
138519	48" STRAIGHT-EDGE	12/17/2018	12/17/2019
138047	Caster Durability Machine	VBU	VBU

**SECTION 3**

**4.3 STABILITY UNDER VERTICAL LOAD TEST:**

Date Received: 26-Aug-2019  
Date Tested: 28-Aug-2019  
Location Tested: Intertek Kentwood, MI

**DESCRIPTION OF SAMPLES:**

Part Description: SF1363030K19 Table  
Number of Samples Tested: One (1)

**TEST PROCEDURE:**

Test Method: Per ANSI/BIFMA X5.5-2014 Test No. 4.3:

The unit shall be levelled. Placement of the load shall be on a 12” diameter disk 1” from the edge at the least stable position.

Top Load: 125 lbs.

**ACCEPTANCE CRITERIA:**

Per ANSI/BIFMA X5.5-2014 Test No. 4.3:  
The unit shall not tip over.

**RESULTS:**

SAMPLE ID	STATIC LOAD	RESULTS
1	125 lbs.	Conforming

The submitted sample met the acceptance criteria of the test described above. Refer to the following page for photograph.



**Stability Under Vertical Load Test**

**4.5 STABILITY TEST FOR KEYBOARD/LAPTOP TABLES (WITH AND WITHOUT CASTERS):**

Date Received: 26-Aug-2019  
 Date Tested: 28-Aug-2019  
 Location Tested: Intertek Kentwood, MI

**DESCRIPTION OF SAMPLES:**

Part Description: SF1363030K19 Table  
 Number of Samples Tested: One (1)

**TEST PROCEDURE:**

Test Method: Per ANSI/BIFMA X5.5-2014 Test No. 4.5:

Test applies to units that can be adjusted to heights greater than 42.”

Apply 10 lbf. through an 8” diameter disc at the least stable location.  
 Block the feet/casters with an obstruction 0.5” in height attached to the platform.  
 Gradually apply the horizontal force to the top surface, perpendicular to the worst case fulcrum (“tipping line”) but not more than 0.5” below the top surface directly opposite the load. Apply the load until 10 lbf. is reached or the product tilts to 10 degrees.

Load to be Applied: 10 lbs.

**ACCEPTANCE CRITERIA:**

Per ANSI/BIFMA X5.5-2014 Test No. 4.5:  
 The unit shall not tip over.

**RESULTS:**

SAMPLE ID	FORCE	RESULTS
1	> 24 lbf. to tip	Conforming

The submitted sample met the acceptance level criteria of the test described above. Refer to the following page for photograph.



**Stability Test for Keyboard/Laptop Tables (with and without casters)**

**5.2 – 5.5 UNIT STRENGTH TESTS:**

Date Received: 26-Aug-2019  
 Date Tested: 04-Sep-2019  
 Location Tested: Intertek Kentwood, MI

**DESCRIPTION OF SAMPLES:**

Part Description: SF1363030K19 Table  
 Number of Samples Tested: One (1)

**TEST PROCEDURE:**

Test Method: Per ANSI/BIFMA X5.5-2014 Test Nos. 5.2 – 5.5:

**ACCEPTANCE CRITERIA:**

Per ANSI/BIFMA X5.5-2014 Test Nos. 5.2 – 5.5:

Functional Load: There shall be no loss of serviceability.

Proof Load: There shall be no major change in the structural integrity.

**RESULTS:**

SAMPLE ID	SURFACE TO BE TESTED (CLASS)	WORK SURFACE	SECONDARY TRANSACTION & SHELF	KEYBOARD	RESULTS
1	Surface Size	36"	10" x 18" x 12"	27"	
	<u>Concentrated Loads</u>		<u>Distributed Loads</u>		
	Functional:	200 lbs.	37 lbs.	66 lbs.	Conforming
	Proof:	300 lbs.	56 lbs.	100 lbs.	Conforming

The submitted sample met the acceptance level criteria of the test described above. Refer to the following pages for photographs.





**Concentrated Functional Load Test**



**Concentrated Proof Load Test**

**6. TOP LOAD EASE CYCLE TEST:**

Date Received: 26-Aug-2019  
Date Tested: 04-Sep-2019 to 05-Sep-2019  
Location Tested: Intertek Kentwood, MI

**DESCRIPTION OF SAMPLES:**

Part Description: SF1363030K19 Table  
Number of Samples Tested: One (1)

**TEST PROCEDURE:**

Test Method: Per ANSI/BIFMA X5.5-2014 Test No. 6:  
Number of Cycles: 10,000  
Load: 200 lbs.  
Cycles Per Minute: 14 ± 6  
Load Drawers with: 0.017 lbs./cu. in.  
Load Area: 16" Diameter

**ACCEPTANCE CRITERIA:**

Per ANSI/BIFMA X5.5-2014 Test No. 6:  
There shall be no loss of serviceability to the unit. A pull force to overcome anti-rebound or interlock and to fully extend the drawer shall not exceed 11.2 lbs.

**RESULTS:**

SAMPLE ID	NUMBER OF CYCLES	RESULTS
1	10,000	Conforming

The submitted sample met the acceptance level criteria of the test described above. Refer to the following page for photograph.



**Top Load Ease Cycle Test**

**16. KEYBOARD SUPPORT AND INPUT DEVICE ADJUSTMENT TESTS:**

Date Received: 26-Aug-2019  
 Date Tested: 03-Sep-2019 to 04-Sep-2019  
 Location Tested: Intertek Kentwood, MI

**DESCRIPTION OF SAMPLES:**

Part Description: SF1363030K19 Table  
 Number of Samples Tested: One (1)

**TEST PROCEDURE:**

Test Method: Per ANSI/BIFMA X5.5-2014 Test No. 16:

Keyboard Load: 10 lbs. distributed  
 Cycle Rate: 6 cycles per minute  
 Number of Cycles: 2,500 in each direction

- A. Horizontal Motion: Cycle within 0.25" of stops.
- B. Vertical Motion: Cycle within 0.25" of stops.
- C. Swivel Motion: Cycle within 0.25" of stops.

**ACCEPTANCE CRITERIA:**

Per ANSI/BIFMA X5.5-2014 Test No. 16:  
 There shall be no loss of serviceability.

**RESULTS:**

SAMPLE ID	TEST MOTION	NUMBER OF CYCLES	RESULTS
1	A – Horizontal	2,500	Conforming
	B – Vertical	N/A	N/A
	C - Swivel	N/A	N/A

The submitted sample met the acceptance criteria of the test described above. Refer to the following page for photograph.



**Keyboard Support and Input Device Support Adjustment Tests**

**18. DURABILITY TEST FOR DESKS & TABLES WITH CASTERS:**

Date Received: 13-Dec-2019  
 Date Tested: 16-Dec-2019  
 Location Tested: Intertek Kentwood, MI

**DESCRIPTION OF SAMPLES:**

Part Description: SF1363030K19 Table  
 Number of Samples Tested: One (1)

**TEST PROCEDURE:**

Test Method: Per ANSI/BIFMA X5.5-2014 Test No. 18:

Unit Weight: 94 lbs.  
 Cycle Stroke Length: 30" ± 2"  
 Cycle Rate: 10 ± 2 cycles per minute

UNIT WEIGHT	CYCLES REQUIRED	
	OVER OBSTACLES	OVER FLAT SURFACE
≤ 100 lbs.	2,500	0
> 100 lbs.	100	1,000

**ACCEPTANCE CRITERIA:**

Per ANSI/BIFMA X5.5-2014 Test No. 18:  
 There shall be no loss of serviceability to a caster or the desk/table.

**RESULTS:**

SAMPLE ID	STATIC LOAD	CYCLES REQUIRED	CYCLES COMPLETED	RESULTS
2	85 lbs.	2,500 over obstacles	2,500	Conforming
		0 over smooth surface	0	N/A

The submitted sample did meet the acceptance criteria of the test described above. Refer to the following page for photograph.



**Durability Test for Desks & Tables with Casters**



**SECTION 4**

**REVISIONS MADE TO TEST REPORT**

DATE	REVISION DESCRIPTION	REVISED BY	REVISED BY
17-Dec-2019	Initial release.	James Jantz	