

## TEST REPORT

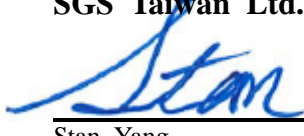
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Date : NOV. 04, 2020

**RIM HK Limited**

272-284 Des Voeux Road, RM 2002, 20/F HING YIP, Commercial Centre, Central Hong Kong

**The following merchandise was submitted and identified by the applicant as:**Product Description: Task office chairStyle/Item No.: VK1415Buyer/Order No.: RIM HK LimitedManufacturer/Vendor: RIM HK LimitedCountry of Origin: Taiwan**We have tested the submitted sample(s) as requested and the following results were obtained:**Type of chair: TYPE I, Tilting chair (with tilt locks, locking the chair changes to type III, fixed seat angle, fixed backrest)Test Requested: For compliance with ANSI/BIFMA X5.1-2017 General-Purpose Office Chairs-Tests  
Clause 5 Back Strength Test - Static - Type I & II  
Clause 6 Back Strength Test - Static - Type III  
Clause 11 Stability Test  
Clause 14 Back Durability Test – Cyclic – Type I  
Clause 15 Back Durability Test – Cyclic – Type II & IIITest Methods: According to test procedures of ANSI/BIFMA X5.1-2017Test Results: ---See following sheet(s)---Date of Receipt : Aug. 04, 2020, Sep. 14, 2020 & Sep. 21, 2020Testing Period : Aug. 04, 2020 ~ Sep. 29, 2020Conclusion: The submitted sample(s) **comply with** Clause 5, 6, 11, 14 and 15 of ANSI/BIFMA X5.1-2017 General-Purpose Office Chairs-Tests.Note: This report supersedes the previous one bearing Report No: HL80034/2020, issued on 2020/10/28.Signed for and on behalf of  
SGS Taiwan Ltd.  
Stan Yang  
Team Leader

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Evaluation	Citation/Method	Criteria	Results	Rating
<b>PERFORMANCE</b>				
Back Strength Test - Static - Type I & II - Functional Load	ANSI/BIFMA X5.1-2017 Clause 5.4.1	No structural breakage or loss of serviceability when 150 lb (667 N) is applied for 1 min. applied to 70° from back at 16 in above the seat. If the back is less than 17.8 in, the load is applied at the top of the back.	M	Pass
Back Strength Test - Static - Type I & II - Proof Load	ANSI/BIFMA X5.1-2017 Clause 5.4.2	No sudden and major change in the structural integrity (Loss of serviceability is acceptable) when 225 lb (1001 N) is applied for 1 min. applied to 70° from back at 16 in above the seat. If the back is less than 17.8 in, The load is applied at the top of the back.	M	Pass
Back Strength Test - Static - Type III - Functional Load	ANSI/BIFMA X5.1-2017 Clause 6.4.1	No loss of serviceability when 150 lb (667 N) is applied for 1 min. applied to 90° from back at 16 in above the seat. If the back is less than 17.8 in, the load is applied at the top of the back.	M	Pass
Back Strength Test - Static - Type III - Proof Load	ANSI/BIFMA X5.1-2017 Clause 6.4.2	No sudden and major change in the structural integrity (loss of serviceability is acceptable) when 225 lb (1001 N) is applied for 1 min. Applied 90° to the back at 16in. above the seat. If the back is less than 17.8 In, the load is applied at the top of the back.	M	Pass
Stability Test – Rear Stability for type III	ANSI/BIFMA X5.1-2017 Clause 11.3.1	Apply only to chairs with backrests greater than 200mm Type III: Load the chair with 6 disks, apply a horizontal force to the highest disk. The location of the force application is 6 mm (0.25 in.) from the top of the disk. The force shall be: • F = 0.1964 (1195 – H) Newton. H is the seat height in mm. • [F = 1.1 (47 – H) pounds force.]. H is the seat height in inches. For chairs with seat height equal to or greater than 710 mm (28.0 in.), a fixed force of 93 N (20.9 lbf.) shall be applied. The chair shall not tip over.	M (Type III: F= 125.1N)	Pass
Stability Test – Rear Stability for type I and II	ANSI/BIFMA X5.1-2017 Clause 11.3.2	Apply only to chairs with backrests greater than 200mm Load the chair with 13 disks, the chair shall not tip over.	M	Pass
Stability Test – Front Stability	ANSI/BIFMA X5.1-2017 Clause 11.4	The chair is obstructed with a 13mm (½ in.) obstruction to the chair casters/legs. A downward load of 61 kgs (135 lbs.) is centered 60 mm (2.4 in.) from the seat front center edge. The seat shall withstand a 20 N (4.5lbf.) horizontally from the front seat edge without tipping.	M	Pass
Back Durability Test – Cyclic – Type I	ANSI/BIFMA X5.1-2017 Clause 14	No loss of serviceability in 120,000 cycles with a 109 kg (240 lbs.) in the center of the seat and a 445 N (100 lbf.) 90° to the center of the chair back. For chairs with a back width greater than 406 mm (16 in.), test at the center of chair back for 80,000 cycles and then 102 mm (4 in.) off-center 40,000 cycles, half to each side.	M	Pass
Back Durability Test – Cyclic – Type II & III	ANSI/BIFMA X5.1-2017 Clause 15	No loss of serviceability in 120,000 cycles with a 109 kg (240 lbs.) in the center of the seat and a 334 N (75 lbf.) 90° to the center of the chair back. For chairs with a back width greater than 406 mm (16 in.), test at the center of chair back for 80,000 cycles and then 102 mm (4 in.) off-center 40,000 cycles, half to each side.	M	Pass

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**Results Key:**

M	Meets	N/M	Does Not Meet
N/A	Not Applicable	N/T	Not Tested
C	Claimed	R	Recorded

**Rating Key:**

Pass
Fail

- Note:** 1. The content of this report is invalid if it is not presented as the entire report.  
 2. The statement of conformity is based on the test results, but does not include the measurement uncertainty.

– Pictures –



Photo A: Appearance of the sample - front



Photo B: Appearance of the sample - side



Photo C: Appearance of the sample - back



Photo D: Type(s) of the chair

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– Pictures –

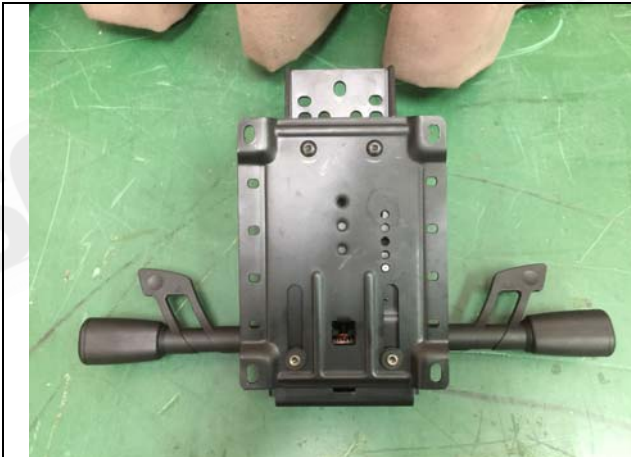


Photo E: Appearance of the sample –  
Receiving Date: SEP. 21, 2020 for clause 11 of  
BIFMA X5.1-2017



Photo F: Appearance of the sample –  
Receiving Date: SEP. 14, 2020 for clause 15 of  
BIFMA X5.1-2017

---End of Report---