



**BUREAU
VERITAS**

CONSUMER PRODUCTS SERVICES DIVISION

SHARKOON TECHNOLOGIES GMBH

Technical Report: (6621)261-0536
Date Received: AUGUST 11, 2021
Mod. Date: /

SEPTEMBER 18, 2021
Page 1 of 8

SERENA HSIEH
SHARKOON TECHNOLOGIES GMBH
GRÜNINGER WEG 48, 35415 POHLHEIM, GERMANY

Sample Description: SHARKOON GAMING CHAIR
Manufacturer: SHARKOON TECHNOLOGIES GMBH PO No.: /
Buyer: / Style No: SHARKOON
SKILLER SGS20 /
SGS20 FABRIC
Country of Origin: CHINA Country of Destination: WORLDWIDE
Color: BLACK/GREY, BLACK/BLUE, SKU No.: 4044951034970 /
BLACK/RED, 4044951034987
BLACK/ORANGE 4044951034994 /
BLACK/GREY, BLACK/BLUE, 4044951035007
BLACK/RED, 4044951035014 /
BLACK/ORANGE 4044951035021
4044951035038 /
4044951035045
Protocol No.: / Previous Report No.: /

EXECUTIVE SUMMARY:

	TEST REQUESTED	CONCLUSION	Remark
1)	EN 1335-1: 2020, Office chair – office work chair – Part 1: dimensions – determination of dimensions	PASS	/
2)	EN 1335-2: 2018, Office chair – office work chair – Part 2: safety requirements	PASS	/
3)	Seat static load test	PASS	/

REMARK:

The client specifies the test methods and requirements.

Bureau Veritas

Consumer Products Services Division (Shanghai)
No. 168, Guanghua Road, Zhuangqiao Town,
Minhang, Shanghai China, 201108
Tel.:86-21-24081888 Fax:86-21-64890042
Email: bvcps_sh_info@cn.bureauveritas.com
Http:www. bureauveritas.com/cps

This report is governed by, and incorporates by reference, CPS Conditions of Service as posted at the date of issuance of this report at <http://www.bureauveritas.com/home/about-us/our-business/cps/about-us/terms-conditions/> and is intended for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. Measurement uncertainty is only provided upon request for accredited tests. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence or if you require measurement uncertainty; provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.



BVCPS (SHANGHAI) GENERAL CONTACT INFORMATION FOR THIS REPORT

TELEPHONE NO 86-21-24166888
E-MAIL: bvcpshtoy.sh@cn.bureauveritas.com

BUREAU VERITAS
CONSUMER PRODUCTS SERVICE DIVISION (SHANGHAI)
Laboratory Test location:
No. 368, Guangzhong Road, Zhuanqiao Town, Minhang,
Shanghai.
No. 168, Guanghua Road, Zhuanqiao Town, Minhang, Shanghai.

Hyde Bao
PRODUCT LINE MANAGER(HARDLINE DIVISION)

SUMMARY OF EXAMINATION

Introduction:

An examination was requested to ascertain compliance with the requirement(s) as detailed on page one of this report. The following clauses were considered applicable and our findings were as follows:

1. EN 1335-1: 2020

Item	Dimension Requirement				Result
	Type Ax	Type A	Type B	Type C	
Seat height and sitting height ^x a ^{a b}	Min.: ≤400 mm Max.: ≥540 mm	Min.: ≤400 mm Max.: ≥520 mm	Min.: ≤420 mm Max.: ≥510 mm	Min. ≤430 mm Max. ≥480 mm	Min.: 397 mm Max.: 485 mm
Adjustment range	Min.160 mm	Min.130 mm	Min.100 mm	Min. 80 mm	88 mm
Seat depth b					
Non adjustable	NA	NA	425mm to 485mm	Min.:425 mm	506 mm
Adjustable	Min.: ≤380 mm Max.: ≥430mm	Min.: ≤425 mm Max.: ≥450 mm	Min.: ≤425 mm Max.: ≥445 mm	Can be adjusted to 425 mm	
Adjustment range	Min.: 70 mm	Min.: 70 mm	Min.: 50 mm	No requirement	
Depth of seat surface c	Min.:380 mm	Min.:380 mm	Min.:380 mm	Min.:380 mm	580 mm
Seat width d	Min.:400 mm	Min.:400 mm	Min.:400 mm	Min.:400 mm	485 mm
Inclination of seat surface e ^g					
Non adjustable	NA	NA	+2° to -5° ("+direction) ("-direction)	+2° to -7° ("+direction) ("-direction)	
Adjustable	Can be adjusted to 0°	Can be adjusted to 0°	Can be adjusted to -2° ("-direction)	Min.: -2° ("-direction)	-6.7°--23.8°
Adjustment range	Min.: 5°	Min.: 5°	Min.: 5°	Min.: 5°	17.1°
Angle between seat and back y ^f	Min. 90°	Min. 90°	Min. 90°	Min. 90°	95°
Height of lumbar support f					
Non adjustable	NA	NA	170mm to 300mm	170mm to 300mm	
Adjustable	Min.: ≤170 mm Max.: ≥300 mm	Min.: ≤170 mm Max.: ≥300 mm	Min.: ≤170 mm Max.: ≥300 mm	Min.: ≤170 mm Max.: ≥300 mm	Min.: 160 mm Max.: 450 mm
Adjustment range	Min.: 70 mm	Min.: 70 mm	Min.: 50 mm	No requirement	290 mm
Backrest height h	Min.360 mm	Min.360 mm	Min.360 mm	Min.360 mm	813 mm
Backrest width j	Min.360 mm	Min.360 mm	Min.360 mm	Min.360 mm	480 mm

1. EN 1335-1: 2020

Radius of the back rest k	Min.400 mm	Min.400 mm	Min.400 mm	Min.400 mm	1800 mm
Back rest inclination range l	Min. 15°	Min. 15°	Min. 15°	No requirement	17.1°
Armrest length n	Min.150 mm	Min.150 mm	Min.150 mm	Min.150 mm	258 mm
Armrest width o	Min.50 mm	Min.50 mm	Min.40 mm	Min.40 mm	75 mm
Height of arm rest p					
Non adjustable	NA	NA	225mm to 275mm	200mm to 250mm	
Adjustable	Min.: ≤200 mm Max.: ≥290 mm	Min.: ≤200 mm Max.: ≥290 mm	Min.: ≤225 mm Max.: ≥250 mm	Min.: ≤200 mm Max.: ≥250 mm	Min.: 196 mm Max.: 267 mm
Adjustment range	Min.: 100 mm	Min.: 100 mm	Min.: 50 mm	No requirement	71 mm
Maximum distance from the backrest to the front of the armrests q ^c	Max. 200 mm	Max. 300 mm	Max. 350 mm	Max. 400 mm	350 mm
Hip breadth clearance when armrests are in widest position r ^d	Min. 480 mm	Min. 480 mm	Min. 460 mm	Min. 460 mm	485 mm
Clear distance between armrest z ^{d e}					
Non adjustable	NA	NA	460mm to 510mm	Min. 460mm	520 mm
Adjustable	Min.: ≤410 mm Max.: ≥510 mm	Min.: ≤410 mm Max.: ≥510 mm	Min.: ≤460 mm Max.: ≥510 mm	Min.: ≤460 mm Max.: ≥510 mm	
Offset of the underframe s	Max. 415 mm	Max. 415 mm	Max. 415 mm	Max. 415 mm	375 mm

Note:

- a) For tall office work chairs the seat height is determined as the vertical distance measured at the front of the seat, from the loaded seat to the floor or top of the foot support. The foot support shall have a minimum diameter of 20 mm or be flat.
- b) For type Ax only, the range can be achieved e.g. by using a telescopic gas cylinder or by providing more than one gas cylinder
- x) Sitting height is only applicable for chairs with seat pad angles less than 0 (rearwards slope).
- c) The distance q shall be measured when the minimum usable armrest area template, 150 mm x 50 mm (Type Ax and Type A) or 150 mm x 40 mm (Type B and Type C), are parallel to the median plane of the seat.
- d) The gap shall be retained across the height adjustment range of the armrests for functional fit.
- e) The clear distance 'z' shall be measured when the minimum usable armrest area templates, 150 mm x 50 mm (Type Ax and Type A) or 150 mm x 40 mm (Type B and Type C), are parallel to the median plane of the seat.
- f) As long as it is possible to achieve an angle of minimum 90° between seat pad and backrest, the requirement is fulfilled.
- g) The adjustment range shall include the specified seat pad angle.

2. EN 1335-2: 2018			
Clause	Description	Result	*Comments
4	Safety requirements	-	-
4.1	General	PASS	-
4.2	Shear and squeeze points	-	-
4.2.1	Shear and squeeze points under the influence of powered mechanisms	PASS	-
4.2.2	Shear and squeeze points during use	PASS	-
BS EN 1335-2:2018 5.1.6.1 BS EN 1728:2012 7.5	Armrest downward static load test – central	PASS	-
4.4	Stability during use (before)	PASS	-
BS EN 1335-2:2018 4.4.1 BS EN 1022:2018 7.3.3	Corner stability test	NA	See note I
BS EN 1335-2:2018 4.4.2 BS EN 1022:2018 7.3.1	Forwards overturning	PASS	-
BS EN 1335-2:2018 4.4.3 BS EN 1022:2018 7.3.2	Forwards overturning for chair with footrest	NA	See note I
BS EN 1335-2:2018 4.4.4 BS EN 1022:2018 7.3.4	Sideways overbalancing, for chair without arm rests	NA	See note I
BS EN 1335-2:2018 4.4.5 BS EN 1022:2018 7.3.5.1 & 7.3.5.2	Sideways overbalancing, for chair, seating with arm rests	PASS	-
BS EN 1335-2:2018 4.4.6 BS EN 1022:2018 7.3.6	Rearwards overbalancing for chairs without back test inclination and for chairs with adjustable backrest inclination that can be locked	PASS	-
BS EN 1335-2:2018 4.4.7 BS EN 1022:2018 7.4	Rearwards overturning for chairs with back rest inclination	PASS	-
BS EN 1335-2:2018 5.1.6.2 BS EN 1728:2012 7.5	Armrest downward static load test – central	PASS	-
BS EN 1335-2:2018 5.3 BS EN 1728:2012 6.30	Rolling resistance of the unloaded chair	PASS	-
5	Strength and durability	PASS	-
BS EN 1335-2:2018 5.1.1 BS EN 1728:2012 7.3	Combined seat and back static load test	PASS	-
BS EN 1335-2:2018 5.1.2 BS EN 1728:2012 7.4	Seat front edge static test	PASS	-
BS EN 1335-2:2018 5.1.3 BS EN 1728:2012 7.8	Foot rest static load	NA	See note I
BS EN 1335-2:2018 5.1.4 BS EN 1728:2012 7.9	Seat and back durability	PASS	-

STEP 1	Loading point A	PASS	-
STEP 2	Loading point C-B	PASS	-
STEP 3	Loading point J-E	PASS	-
STEP 4	Loading point F-H	PASS	-
STEP 5	Loading point D-G	PASS	-
BS EN 1335-2:2018 5.1.5 BS EN 1728:2012 7.10	Arm rest durability	PASS	-
BS EN 1335-2:2018 5.3 BS EN 1728:2012 6.30	Rolling resistance of the unloaded chair	PASS	-
BS EN 1335-2:2018 5.1.6.1 BS EN 1728:2012 7.5	Armrest downward static load test – central	PASS	-
4.4	Stability during use (after)	PASS	-
BS EN 1335-2:2018 4.4.1 BS EN 1022:2018 7.3.3	Corner stability test	NA	See note I
BS EN 1335-2:2018 4.4.2 BS EN 1022:2018 7.3.1	Forwards overturning	PASS	-
BS EN 1335-2:2018 4.4.3 BS EN 1022:2018 7.3.2	Forwards overturning for chair with footrest	NA	See note I
BS EN 1335-2:2018 4.4.4 BS EN 1022:2018 7.3.4	Sideways overbalancing, for chair without arm rests	NA	See note I
BS EN 1335-2:2018 4.4.5 BS EN 1022:2018 7.3.5.1 & 7.3.5.2	Sideways overbalancing, for chair, seating with arm rests	PASS	-
BS EN 1335-2:2018 4.4.6 BS EN 1022:2018 7.3.6	Rearwards overbalancing for chairs without back test inclination and for chairs with adjustable backrest inclination that can be locked	PASS	-
BS EN 1335-2:2018 4.4.7 BS EN 1022:2018 7.4	Rearwards overturning for chairs with back rest inclination	PASS	-
BS EN 1335-2:2018 5.1.6.2 BS EN 1728:2012 7.5	Armrest downward static load test – central	PASS	-
BS EN 1335-2:2018 5.3 BS EN 1728:2012 6.30	Rolling resistance of the unloaded chair	PASS	-



3. Seat static load test

Evaluation	Method	Results	Rating
Seat static load test	Shall withstand 150kg loading for 24 hours in the center of the seat	The sample was not be broken after test.	PASS

ANNEX I: SUBMISSION DESCRIPTION

Sample Description: SHARKOON GAMING CHAIR

Overall dimensions: 71.4 cm x 71.0 cm x (120.5~129.7) cm (Depth x Width x Height)

Weight: 20.53 kg

ANNEX II: ADDITIONAL COMMENTS

- I NA = Not applicable.
- II NC = Not conducted as per client request

EXHIBIT



END