



**BUREAU
VERITAS**

CONSUMER PRODUCTS SERVICES DIVISION

SHARKOON TECHNOLOGIES GMBH

Technical Report: (6619)011-0627
Date Received: Jan.11, 2019
Mod. Date: /

MAR.25, 2019
Page 1 of 8

Serena Hsleh
Sharkoon Technologies GmbH
Siemensstrabe 38, 35440 Linden, Germany

Sample Description: Sharkoon Elbrus 3 Gaming Chair
Manufacturer: / PO No.: /
Buyer: / Style: Sharkoon Elbrus 3
Gaming Chair
Country of Origin: CHINA Country of Destination: Pan European
Color: Black/Grey, Black/Blue, Black/Red, Black/Green, Black/White
SKU: /
Protocol No.: / Previous Report No.: /

SUMMARY OF TEST RESULTS

TEST REQUESTED	CONCLUSION	REMARK
EN 1335-1: 2000 + AC: 2002, Office chair – office work chair – Part 1: dimensions – determination of dimensions (Excluding Seat height a)	PASS	-
EN 1335-2: 2009, Office chair – office work chair – Part 2: safety requirements	PASS	-
Loading Test	PASS	-

REMARK:

The client specifies the test methods and requirements.



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 DIVISON)

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: 2000 + AC: 2002				
Item	Dimension Requirement			Result
	Type A	Type B	Type C	
Seat height a	Min.: ≤420 mm Max.: ≥510 mm	Min.: ≤420 mm Max.: ≥510 mm	Min. ≤420 mm Max. ≥480 mm	NC
Adjustment range	Min.120 mm	Min.100 mm	Min. 80 mm	
Seat depth b				
Non adjustable	NA	380mm to 440mm	Min.:380 mm	490mm
Adjustable	Min.: ≤400 mm Max.: ≥420 mm	Min.: ≤400 mm Max.: ≥420 mm	Can be adjusted to 400 mm	
Adjustment range	Min.: 50 mm	Min.: 50 mm	No requirement	
Depth of seat surface c	Min.:380 mm	Min.:380 mm	Min.:380 mm	550 mm
Seat width d	Min.:400 mm	Min.:400 mm	Min.:400 mm	560 mm
Inclination of seat surface e				
Non adjustable	NA	-7° to -2°	-7 ° to -2°	
Adjustable	Max.: ≥ -7° ("direction) Min.: ≤ -2° ("direction)	Max.: ≥- 7° ("direction) Min.: ≤ -2° ("direction)	Max.: ≥ -7° ("direction) Min.: ≤ -2° ("direction)	- 6.9 °
Adjustment range	Min.: 6°	No requirement	No requirement	
Height of the back supporting point "S" above the seat surface f				
Non adjustable	NA	170mm to 220mm	170mm to 220mm	180 mm
Adjustable	Min.: ≤170 mm Max.: ≥220 mm	Min.: ≤170 mm Max.: ≥220 mm	No requirement	
Adjustment range	Min.: 50 mm	Min.: 50 mm	No requirement	
Height of the back pad g				
Non adjustable	Min.260 mm	Min.260 mm	Min.260 mm	870 mm
Adjustable	Min.220 mm	Min.220 mm	No requirement	
Height of the upper edge of the back rest above the seat surface h	Min.360 mm	Min.360 mm	Min.360 mm	840 mm
Back rest width i	Min.360 mm	Min.360 mm	Min.360 mm	530 mm



1. EN 1335-1: 2000 + AC: 2002				
Horizontal radius of the back rest k	Min.400 mm	Min.400 mm	Min.400 mm	>400 mm
Back rest inclination l	Min. 15°	Min. 15°	No requirement	18°
Length of arm rest n	Min.200 mm	Min.200 mm	Min.200 mm	260 mm
Width of arm rest o	Min.40 mm	Min.40 mm	Min.40 mm	95 mm
Height of arm rest above the seat p				
Non adjustable	200mm to 250mm	200mm to250mm	200mm to 250mm	
Adjustable	Min.: ≤200 mm Max.: ≥250 mm	Min.: ≤200 mm Max.: ≥250 mm	Min.: ≤200 mm Max.: ≥250 mm	Min. 199 mm Max. 269 mm
Distance from the front of the arm rests to the front edge of the seat surface q	Min.100 mm	Min.100 mm	Min.100 mm	100 mm
Clear width between the arm rests r	460mm to 510mm	460mm to 510mm	Min.460 mm	465 mm
Maximum offset of the underframe s	Max. 365 ¹	Max. 365 ¹	Max:420 ² +50mm	390 mm
Stability dimension t	Min.195mm	Min.195 mm	Min.195 mm	245 mm
Note:				
1. if swivel castors are fitted the requirement is 415mm				
2. x is the maximum horizontal distance between parts of the upper part of the chair and the axis of rotation				

2.EN 1335-2: 2009			
Clause	Description	Result	*Comments
4	General requirements	PASS	-
4.1	General design requirements	PASS	-
4.1.1	Corners and edges, trapping, pinching and shearing	PASS	-
4.1.2	Adjusting devices	PASS	-
4.1.3	connections	PASS	-
4.1.4	Avoidance of soiling	PASS	-
4.3	Stability during use (before)	PASS	-
EN 1335-3, 2009: 7.1.1	Front edge overturning	PASS	-
EN 1335-3, 2009: 7.1.2	Forwards overturning	PASS	-
EN 1335-3, 2009: 7.1.3	Forwards overturning for chairs with footrest	NA	See note I
EN 1335-3, 2009: 7.1.4	Sideways overturning for chairs without arm rests	NA	See note I
EN 1335-3, 2009: 7.1.5	Sideways overturning for chairs with arm rests	PASS	-
EN 1335-3, 2009: 7.1.6	Rearwards overturning for chairs without back rest inclination	PASS	-
EN 1335-3, 2009: 7.1.7	Rearwards overturning for chairs with adjustable back rest inclination	PASS	-
4.4	Rolling resistance of the unloaded chair	PASS	-
4.5	Strength and durability	PASS	-
EN 1335-3, 2009: 7.2.1	Seat front edge static load test	PASS	-
EN 1335-3, 2009: 7.2.2	Combined seat and back static load test	PASS	-
EN 1335-3, 2009: 7.3.1	Seat and back durability	PASS	-
STPE 1	Loading point A	PASS	-
STPE 2	Loading point C-B	PASS	-
STPE 3	Loading point J-E	PASS	-
STPE 4	Loading point F-H	PASS	-
STPE 5	Loading point D-G	PASS	-
EN 1335-3, 2009: 7.2.6	Foot rest static load test	NA	See note I
EN 1335-3, 2009: 7.3.2	Arm rest durability	PASS	-
EN 1335-3, 2009: 7.2.3	Arm rest downward static load test(before)	PASS	-
4.3	Stability during use (after)	PASS	-
EN 1335-3, 2009: 7.1.1	Front edge overturning	PASS	-
EN 1335-3, 2009: 7.1.2	Forwards overturning	PASS	-
EN 1335-3, 2009: 7.1.3	Forwards overturning for chairs with footrest	NA	See note I
EN 1335-3, 2009: 7.1.4	Sideways overturning for chairs without arm rests	NA	See note I
EN 1335-3, 2009: 7.1.5	Sideways overturning for chairs with arm rests	PASS	-
EN 1335-3, 2009: 7.1.6	Rearwards overturning for chairs without back rest inclination	PASS	-



EN 1335-3, 2009: 7.1.7	Rearwards overturning for chairs with adjustable back rest inclination	PASS	-
EN 1335-3, 2009: 7.2.3	Arm rest downward static load test (after)	PASS	-
4.4	Rolling resistance of the unloaded chair	PASS	-

ANNEX I: SUBMISSION DESCRIPTION

Sample Description: Sharkoon Elbrus 3 Gaming Chair

The overall dimension was recorded as:
(79.5~127.5) cm (D) x 79.5cm (W) x (94.5~136.5)cm (H)

Sample weight: 21.8kg

ANNEX II: ADDITIONAL COMMENTS

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



3. Loading Test

Test Method	Description	Result	*Comments
Loading Test	In-house method Apply $150 \times 1.5 = 225$ kg vertical load onto the seat load position (per EN 1335) through seat loading pad. Repeat 10 cycles. No damage should be visual check after test.	PASS	-

EXHIBIT



END