



**BUREAU
VERITAS**

CONSUMER PRODUCTS SERVICES DIVISION

SHARKOON TECHNOLOGIES GMBH

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SHARKOON TECHNOLOGIES GMBH
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Sample Description: SHARKOON ELBRUS 2 GAMING CHAIR
Manufacturer: SHARKOON TECHNOLOGIES GMBH PO No.: /
Buyer: SHARKOON TECHNOLOGIES GMBH Style No: GAMING CHAIR/
TECHNOLOGIES GMBH SHARKOON ELBRUS 2
Country of Origin: CHINA Country of Destination: PAN EUROPE
Color: BK/GY,BK/BU,BK/RD,BK/GN SKU No.: /
Protocol No.: / Previous Report No.: /
Brand: /

EXECUTIVE SUMMARY:

	TEST REQUESTED	CONCLUSION	Remark
1)	EN 1335-1: 2000 COR 2002, 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)	Loading test	PASS	/

REMARK:

The client specifies the test methods and requirements.



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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 COR 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	Min. 400 mm Max. 490 mm
Adjustment range	Min. 120 mm	Min. 100 mm	Min. 80 mm	Range: 90 mm
Seat depth b				
Non adjustable	NA	380 mm to 440 mm	Min.:380 mm	432 mm
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	525 mm
Seat width d	Min.:400 mm	Min.:400 mm	Min.:400 mm	505 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)	Max.: -15.2° Min.: -1.0°
Adjustment range	Min.: 6°	No requirement	No requirement	Range: 14.2°
Height of the back supporting point "S" above the seat surface f				
Non adjustable	NA	170 mm to 220 mm	170 mm to 220 mm	215 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	830 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	881 mm

1. EN 1335-1: 2000 COR 2002				
Back rest width i	Min.360 mm	Min.360 mm	Min.360 mm	520 mm
Horizontal radius of the back rest k	Min.400 mm	Min.400 mm	Min.400 mm	684 mm
Back rest inclination l	Min. 15°	Min. 15°	No requirement	Range: 35.6°
Length of arm rest n	Min.200 mm	Min.200 mm	Min.200 mm	249 mm
Width of arm rest o	Min.40 mm	Min.40 mm	Min.40 mm	90 mm
Height of arm rest above the seat p				
Non adjustable	200 mm to 250 mm	200 mm to 250 mm	200 mm to 250 mm	229 mm
Adjustable	Min.: ≤200 mm Max.: ≥250 mm	Min.: ≤200 mm Max.: ≥250 mm	Min.: ≤200 mm Max.: ≥250 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	130 mm
Clear width between the arm rests r	460 mm to 510 mm	460 mm to 510 mm	Min.460 mm	534 mm
Maximum offset of the underframe s	Max. 365 ¹	Max. 365 ¹	Max:365 ² +50 mm	345 mm
Stability dimension t	Min.195 mm	Min.195 mm	Min.195 mm	225 mm
Note:				
1. if swivel castors are fitted the requirement is 415 mm				
2. x is the maximum horizontal distance between parts of the upper part of the chair and the axis of rotation				

Conclusion: The tested samples COMPLY with the dimension requirement of type C.

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	PASS	-
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 5.1.6.1 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	-
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	-
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	PASS	-
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 5.1.6.1 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.Loading test

Evaluation	Citation / Method	Criteria	Results	Rating
Loading test	In-house method	Apply 150*1.5=225kg 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	M	PASS

ANNEX I: SUBMISSION DESCRIPTION

Sample Description: SHARKOON ELBRUS 2 GAMING CHAIR

Overall dimensions: 69.5 cm x 73.0 cm x (126.0-136.0) cm (Depth x Width x Height)

Weight: 22.47 kg

ANNEX II: ADDITIONAL COMMENTS

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

EXHIBIT



END