

Test Report **No.:** **70.404.21.21494.01-02**
Dated: **2021-10-19**

Applicant: Sharkoon Technologies GmbH.
Address: Grüninger Weg 48, 35415 Pohlheim, Germany
Sample Submission: The samples were submitted by applicant and identified.
Product Name: Sharkoon Gaming Chair
Identification/Style No.: Sharkoon Skiller SGS30 / SGS30 Fabric
Manufacturer: Same as applicant
Country of Origin: CHINA
Export to: Worldwide
Receipt Date of Sample: 2021-07-20, 2021-07-27
Date of Testing: From 2021-07-20 to 2021-09-24
Test Result: Refer to the data listed in following pages.

Test Specification(s) or Test Item(s):

1. EN 1335-1:2020 Office furniture- Office work chair Part 1: Dimensions- Determination of dimensions
2. EN 1335-2:2018 Office furniture - Office work chair – Part 2: Safety requirement
3. Loading test as per client request

Conclusions:

For reference
(See remarks)

Pass

Pass

Hardline Laboratory

TÜV SÜD Certification and Testing (China) Co., Ltd.
Shanghai Branch Test Center

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Designated Reviewer

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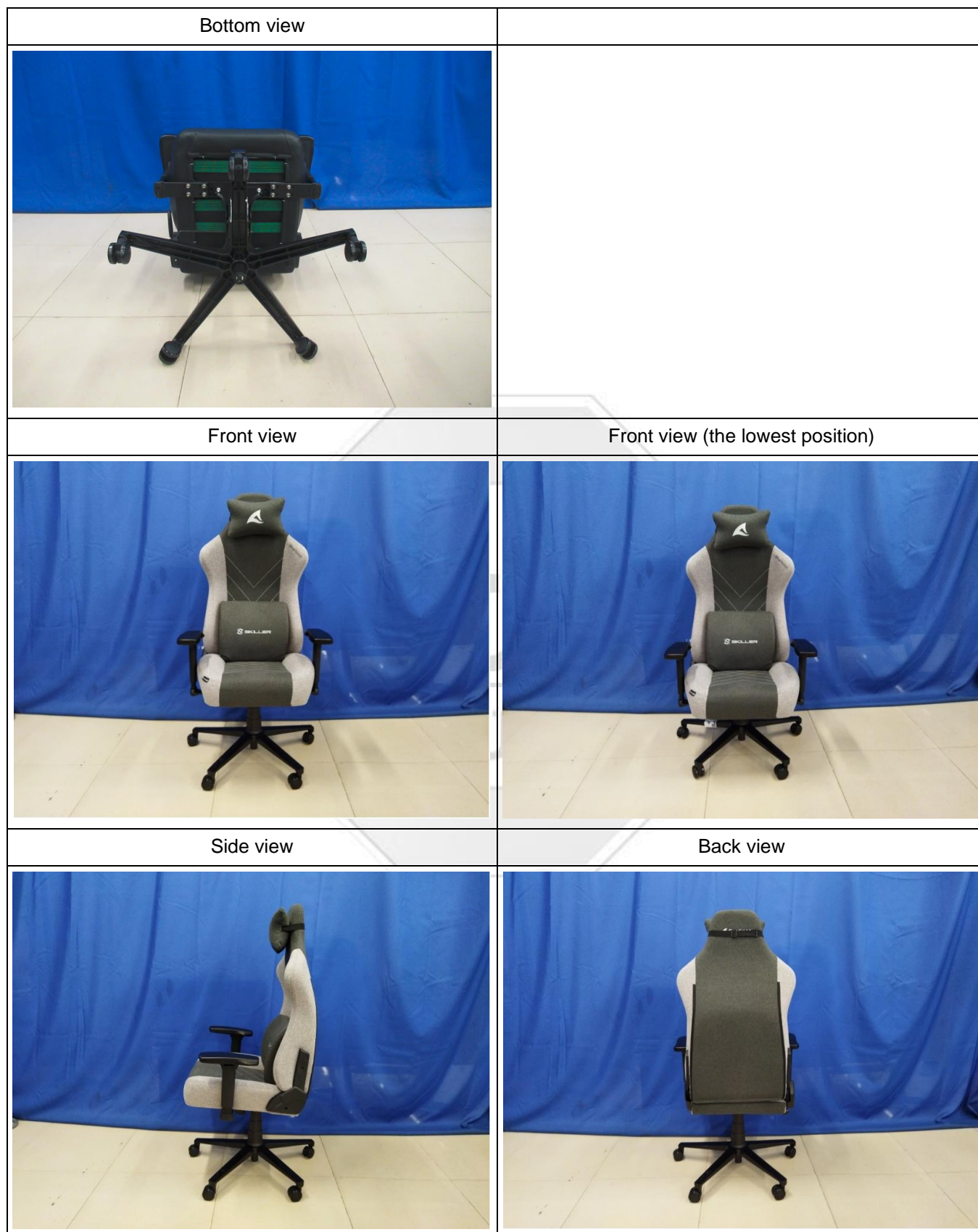
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Description of the test subject:

1	Product Description	Sharkoon Gaming Chair
2	Dimensions / Weight	D708 x W775 x H1280~1370 (mm) / 22.4 (kg)
	Base Dimensions / Weight	R358 x H76 (mm) / 2.3 (kg)
Front view		Front view (the lowest position)
		
Side view		Back view
		



Bottom view



Test Results:

1. EN 1335-1:2020 Office furniture- Office work chair part 1: Dimensions- Determination of dimensions

Clause	Requirement -Test	Measuring result- Remark	Evaluation
7	Measurement methods and procedures		-
	Height of lumbar support f	f = 160~200mm	For reference
	Angle between seat and back γ	$\gamma < 90^\circ$	For reference
	Backrest inclination range l		N/A
	Seat pad angle e	e = -9.1~-26.1° Adjustment range: 17.0°	For reference
	Seat height and sitting height a	a _{min} = 390mm a _{max} = 480mm Adjustment range: 90mm	For reference
	Depth of the seat b	b = 517mm	For reference
	Backrest height h	h = 885mm	For reference
	Maximum distance from the backrest to the front of the armrests q	q = 432mm	For reference
	Height of armrests p	p _{min} = 220mm p _{max} = 290mm	For reference
	Seat pad width d	d = 520mm	For reference
	Seat pad depth c	c = 565mm	For reference
	Backrest width j	j = 520mm	For reference
	Radius of backrest k	k < 400mm	For reference
	Armrest length n	n = 258mm	For reference
	Armrest width o	o = 91mm	For reference
	Minimum clearance between armrest assembly when armrests are in their widest position r	r = 548mm	For reference
	Clear distance between armrests pads z	z _{min} = 408mm z _{max} = 513mm	For reference
	Offset of the underframe s	s = 400mm	For reference
	Height of neck rest or head rest x		N/A

2. EN 1335-2:2018 Office furniture - Office work chair – Part 2: Safety requirement

Item	Requirement-test item	Result, Remark	Evaluation
4	Safety requirement		P
4.1	General		P
4.2	Shear and squeeze points		P
4.2.1	Shear and squeeze points under influence of powered mechanisms		P
4.2.2	Shear and squeeze points during use		P
4.3	Sequence of testing		-
4.4	Stability tests and requirement	Not overturned	P
	Corner stability EN 1022:2018, 7.3.3	Not overturned	P
	Forward overturning EN 1022:2018, 7.3.1	Not overturned	P
	Forward overturning for chairs with footrests EN 1022:2018, 7.3.2		N/A
	Sideways overturning for chairs without arm Rests EN 1022:2018, 7.3.4		N/A
	Sideways overturning for chairs with arm rests EN 1022:2018, 7.3.5.1 and 7.3.5.2	Not overturned	P
	Rearwards overturning for chairs without back rest inclination and for chairs with adjustable backrest inclination that can be locked 7.3.6	Not overturned	P
	Rearwards overturning for chairs with back rest Inclination EN 1022:2018, 7.4	Not overturned	P
4.5	Structural safety requirements		P
5	Strength and durability		P
5.1	General		P
	Combined seat and back static load test EN 1728:2012, 7.3	Seat force: 1600N Backrest force: 560N Cycles: 10	P
	Seat front edge static load test EN 1728:2012, 7.4	Force: 1600N Cycles: 10	P
	Foot rest static load test EN 1728:2012, 7.8		N/A

	Seat and back durability EN 1728:2012, 7.9 Step 1: Loading point A Step 2: Loading point C Loading point B	Force: 1500N Cycles:120000 Force: 1200N Force: 320N Cycles: 80000	P
	Step 3: Loading point J Loading point E Step 4: Loading point F Loading point H Step 5: Loading point D and G	Force:1200N Force: 320N Cycles:20000 Force:1200N Force: 320N Cycles: 20000 Force: 1100N Cycles: 20000	P
	Armrests durability EN 1728:2012, 7.10	Force: 400N Cycles: 60000	P
	Armrest downward static load test – central EN 1728:2012, 7.5	Force: 750N Cycles: 5	P
		Force: 900N Cycles: 5	P
5.2	Requirements		P
5.3	Rolling resistance test and requirements	a) the castors are of identical construction b) the rolling resistance was > 12 N	P
6	Information for use	Information for use comply with requirement.	P

3. Loading test as per client request

Item	Requirement-test item	Result, Remark	Evaluation
1	In-house method Apply 2182 N 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.	No damage after test by visual check.	P

Abbreviation: P=Pass; F=Fail; N/A = Not Applicable; N/T=Not Tested; N/R=Not Requested

Remarks:

- The dimension results of EN 1335-1: 2020 were not rated and just for reference data as per client request.

Disclaimer Measurement Uncertainty:

Unless otherwise agreed upon, Pass or Fail verdicts are given based on the measured values without any considerations of measurement uncertainties.

Please note, every test method has a measurement uncertainty which has been evaluated by the laboratory according to ISO/IEC 17025 requirements.

By taking measurement uncertainties into account it might happen that measured values can neither be assessed as PASS nor as FAIL

-End of Test Report-

