Test Report Number: SHAH0164683001

Applicant: DXRACER TECHNOLOGY WUXI CO.,LTD
17TH FLOOR BUILDING C UNIT 2, NO.108
HUISHAN AVENUE, HUISHAN DISTRICT, WUXI
CITY, JIANGSU PROVINCE
Attn: LILY WU

Date: 30 Jan, 2024

Sample Description:

One(1) group of submitted sample said to be :

Item Name	:	Prince.
Packaging Provided By Applicant	:	Yes.
Goods Exported To	:	Global.
Country Of Origin	:	China.

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Tests Conducted:

As requested by the applicant, for details refer to attached page(s).

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Conclusion:

Tested Sample	Standard	Result
Submitted Sample	EN1335-1:2020+A1-2022: office furniture – office work chair – Part 1: Dimensions – Determination of dimensions **Excluding** - Clause 9 Information for use	Pass
Submitted Sample	EN1335-2: 2018: office furniture – office work chair – part 2: safety requirements **Excluding-** clause 6 Information for use	Pass

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Prepared And Checked By:
For Intertek Testing Services Wuxi Ltd.

Bill Zhang
General Manager

INTERTEK TESTING SERVICES WUXI LTD. 无锡天祥质量技术服务有限公司 检验检测专用章

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Tests Conducted

1. DIMENSION REQUIREMENTS FOR OFFICE WORK CHAIR

With reference to EN1335-1:2020+A1-2022: Office Furniture – Office Work Chair – Part 1: Dimensions – Determination of Dimensions, the submitted sample was subjected to the following tests.
Number of Sample Tested: One (1) Piece
Initial inspection: No any damage was found.
Executive Summary:

Clause	Test items	Verdict
7	Measurement methods and procedures	-
8	Dimensional Requirements	P
9	Information for use	See Note #1

Abbreviation: **P**=**P**ass;

Remark:

1. Type of Submitted sample comply with the Type C

Dimensional requirements and test results:

Office Work Chair (Type C)

Dimensions in millimeters

Dimension [Symbol]		Allow (-)	Min	Max.	Allow (+)	Minimum range	Test result	Verdict
Seat Height and sitting height [c]	a [ab]	Yes	430	480	Yes	80	430-522 Range:92	P
Adjustable depth of the seat	b	Yes	425	-	Yes	-	Not Adjustable	NA
Fixed depth of the seat		No	425	-	Yes	Fixed	468	P
Adjustable height of lumbar support	f	Yes	170	300	Yes	-	Not Adjustable	NA
Fixed height of lumbar support		No	170	300	No	-	245-255	P
Maximum distance from the backrest to the front of the armrests	q [d]	Yes	-	400	No	-	400	P
Hip breadth clearance when armrests are in widest position	r [e]	No	460	-	Yes	-	533	P
Adjustable clear distance between armrest pads	z [ef]	Yes	460	510	Yes	-	Not Adjustable	NA
Fixed clear distance between armrest pads		No	460	-	No	-	495	P
Height of armrests adjustable	p	Yes	200	250	Yes	-	238-308	P
Height of armrests not adjustable		No	200	275	No	-	Adjustable	NA
Seat pad width	d	No	400	-	Yes	-	433	P
Seat pad depth	c	No	380	-	Yes	-	498	P

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Backrest height	h	No	360	-	Yes	-	908	P
Backrest width	j	No	360	-	Yes	-	445	P
Radius of backrest	k	No	400	-	Yes	-	443	P
Armrest length	n	No	150	-	Yes	-	273	P
Armrest width	o	No	40	-	Yes	-	75	P
Offset of the underframe	s	Yes	-	415	No	-	369	P

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

c Sitting height is only applicable for chairs with seat pad angles less than 0 (rearwards slope).

d 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 (see 3.9) of the seat.

e The gap shall be retained across the height adjustment range of the armrests for functional fit.

f 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

Angle between seat and back	γ [a]	No	90	-	Yes	-	95.5°-98.7°	P
Backrest inclination range	I	-					-	-
Seat pad angle adjustable	e [b]	Yes	-2	-	Yes	-	-6.1 - -11.2	P
Minimum adjustment range		5					5.1	P
Seat pad angle fixed		No	+2	-7	No	-	Adjustable	NA

a As long as it is possible to achieve an angle of minimum 90° between seat pad and backrest, the requirement is fulfilled.

b The adjustment range shall include the specified seat pad angle.

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Note:

1 Information for use was not provided.

Information for use shall be available in the language of the country in which it will be delivered to the end user. It shall contain at least the following details:

a) the Type of chair (Type Ax, Type A, Type B or Type C);
b) information regarding the intended use;
c) instructions for operating the adjusting mechanisms;
d) assembly instructions, where applicable;
e) instructions for the care and maintenance of the chair;
f) if the chair is fitted with castors, Information on the choice of castors in relation to the floor surface;

Date Sample Received: Dec 25, 2023
Testing Period: Dec 25, 2023 to Jan 29, 2024
This Test Was Conducted By Intertek Testing Services Ltd. Zhejiang

2. SAFETY REQUIREMENTS FOR OFFICE FURNITURE

With reference to EN1335-2: 2018: Office Furniture – Office Work Chair – Part 2: Safety Requirements, the submitted sample was subjected to the following tests.
Number of Sample Tested: One(1) Piece
Initial inspection: No any damage was found.

Executive Summary:

Clause	Test description	Verdict
4.1	General The chair shall be so designed as to minimise the risk of injury to the user.	P
	All parts of the chair with which the user comes into contact during intended use, shall be so designed that physical injury and damage to property are avoided. These requirements are fulfilled when: a) the edges of the seat, back rest and arm rests which are in contact with the user when sitting in the chair are rounded with minimum 2 mm radius; b) the edges of handles are rounded or chamfered in the direction of the force applied; c) all other edges and corners are free from burrs and rounded or chamfered; d) the ends of accessible hollow components are closed or capped.	P
	Movable and adjustable parts shall be designed so that injuries and inadvertent operation are avoided. It shall be possible to operate the adjusting devices from sitting position in the chair.	P
	It shall not be possible for any load bearing part of the chair to come loose unintentionally.	P
4.2.1	Shear and squeeze points under influence of powered mechanisms There shall be no accessible shear and squeeze points created by parts of the chair operated by powered mechanisms, i.e. springs, gas lifts and motorized systems.	P
4.2.2	Shear and squeeze points during use There shall be no accessible shear and squeeze points created by loads applied during normal use. Shear and squeeze points are not acceptable if there is a risk of injury created by the weight of the user during normal movements and actions, e.g. manipulating levers and crank handles.	P
4.3	Sequence of testing, All applicable tests shall be carried out on the same sample.	-
4.4	Stability tests and requirements	-
4.4.1	Corner stability	P
4.4.2	Forward overturning	P
4.4.3	Forward overturning for chairs with footrests	NA
4.4.4	Sideways overturning for chairs without arm rests	NA
4.4.5	Sideways overturning for chairs with arm rests	P
4.4.6	Rearwards overturning for chairs without back rest inclination and for chairs with adjustable backrest inclination that can be locked	P

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Clause	Test description	Verdict
4.4.7	Rearwards overturning for chairs with back rest inclination	P
4.5	Structural safety requirements	P
5	Strength and durability	-
5.1.1	Combined seat and back static load test Seat force: 1600 N; Back rest force: 560N ; 10 cycles	P
5.1.2	Seat front edge static load test Force: 1600 N; 10 cycles	P
5.1.3	Foot rest static load test Force: 1300 N; 10 cycles	NA
5.1.4	Seat and back durability	P
	Step 1: Force:1500 N, at point A ; 120000 Cycles	P
	Step 2: Force: 1200 N, at point C; Force: 320 N, at point B; 80000Cycles	P
	Step 3: Force: 1200 N, at point J; Force: 320 N, at point E; 20000Cycles	P
	Step 4: Force: 1200 N, at point F; Force: 320 N, at point H; 20000Cycles	P
	Step 5: Force: 1100 N, at point D and G; 20000Cycles	P
5.1.5	Armrests durability Force: 400 N; 60000 cycles	P
5.1.6	Armrest downward static load test – central（before the stability tests） Force: 750 N; 5 cycles	P
5.1.7	Armrest downward static load test – central（after the stability tests.） Force: 900 N; 5 cycles	P
5.2	Requirements The strength and durability requirements are fulfilled when, after testing: a) there are no fractures of any member, joint or component; b) there is no loosening of joints intended to be rigid; and c) the chair fulfils its functions after removal of the test loads.	P
5.3	Rolling resistance test and requirements	P
6	Information for use	NC#1

Abbreviation: **P**=**P**ass; **NA**=**N**ot **A**pplicable; **NC** = **N**ot **C**onducted;

2 Additional test- (optional if client requirement)

Tests included in A.1 of Annex A are not safety tests but may be useful for testing functions of the chair. The functional tests can be carried out on a separated sample, as below:

Clause	Test description	Verdict
Annex A 1.1	Arm rest downward static load test – front Force: 450 N; 5 cycles	P
Annex A 1.2	Arm rest sideways static load test Force: 400 N; 10 cycles	P
Annex A 1.3	Swivel test Masse M1, 60 kg; Masse M2, 35 kg; 120000 Cycles	P
Annex A 1.4	Foot rest durability Force: 900 N; 50000 cycles	NA
Annex A 1.5	Castor and chair base durability Masse M1, 110 kg 36000 Cycles	P

Abbreviation: **P**=**P**ass; **NA**=**N**ot **A**pplicable;

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Note:

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Information for use shall be available in the language of the country in which the product will be available to the end user. It shall contain at least the following details:

a) information regarding the intended use;
b) information regarding possible adjustments;
c) instruction for operating the adjusting mechanisms;
d) instruction for the care and maintenance of the chair;
e) information for chairs with seat height adjustments with energy accumulators that only trained personnel may replace or repair seat height adjustment components with energy accumulators;
f) information on the choice of castors in relation to the floor surface.

2 Seating Description:

Over Dimensions (mm): 723(Depth) x 670 (Width) x 1255/1347 (Height)

Weight (kg): 20.30

Date Sample Received: Dec 25, 2023
Testing Period: Dec 25, 2023 to Jan 29, 2024
This Test Was Conducted By Intertek Testing Services Ltd. Zhejiang

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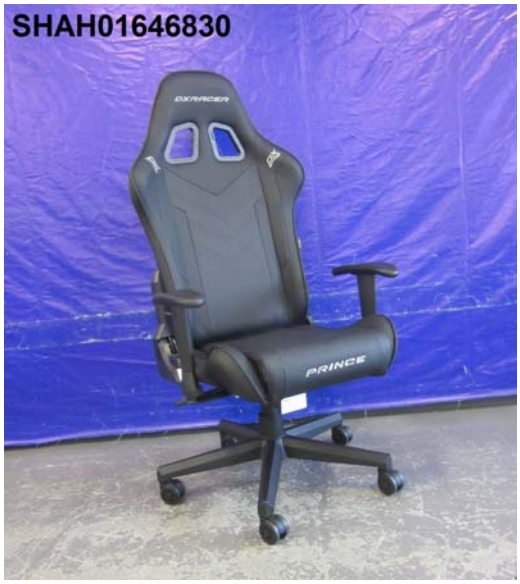
Photo



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End Of Report

The statements of conformity reported have considered the decision rule agreed, namely that Intertek have taken account of measurement uncertainty as calculated by Intertek, and applied according to ILAC-G8/09:2019 (Non-binary acceptance based on guard band w = U) except designation from the customer, regulation or test specification. This decision rule only applies to the numeric test results.

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