

Test Report

Number: SHAH01536977

Tests Conducted

1. AS/NZS 4610.2:2020 STRENGTH, DURABILITY AN STABILITY FOR CHAIRS

With reference to AS/NZS 4610.2:2020 Furniture – School and educational – part 1: Chairs-Strength, durability an stability, the submitted sample was subjected to the following tests:

Number of Sample Tested: One (1) Piece

Initial inspection: No any damage was found

Size mark: C

Executive Summary:

Clause	Test items	Verdict
1	Scope and general	-
1.1	Scope	-
1.2	Normative references	-
1.3	Terms and definitions	-
1.4	General	-
1.4.1	Testing laboratories	-
1.4.2	Materials	-
1.4.3	Accuracy and precision	-
1.4.4	Loads and forces	-
2	General inspection, failure criteria and test report	-
2.1	Pre and post-test inspection	P
2.2	Failure criteria	-
2.2.1	Sections 3 and 4	P
2.2.2	Sections 6 and 7	P
2.3	Test report	-
3	Table categories and assessment	-
3.1	General	-
3.2	Dimensional size mark	-
3.3	Test level and size mark	-
3.4	Functional dimensions	-
4	Safety requirements	-
4.1	Corners and edges	P
4.2	Adjusting devices	NA
4.3	Soiling	NA
5	Test conditions, apparatus, loading points and test configurations	-
5.1	General	-
5.2	Testing conditions	-
5.3	Testing apparatus and devices	-
5.4	Loading points	-
5.4.1	Point S	-
5.4.2	Seat loading point (SLP)	-
5.4.3	Back loading point (BLP)	-
5.5	Configuration of chairs with adjustable features	-
6	Strength and durability testing and specific requirements	-
6.1	General	-
6.2	Chair strength and durability tests	-
6.2 (a)	Seat and front edge static load test	P
6.2 (b)	Back static load test	P
6.2 (c)	Armrest static load tests	NA
6.2 (d)	Seat durability test	P
6.2 (e)	Back durability test	P



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6.2 (f)	Seat front edge durability test (non-pedestal chairs only)	P
6.2 (g)	Seat side-to-side durability test (pedestal chairs only)	NA
6.2 (h)	Armrest durability test,	NA
6.2 (i)	Leg strength tests (not applicable to chairs on a pedestal base)	P
6.2 (j)	Vertical seat impact test	P
6.2 (k)	Horizontal seat impact tests	P
6.2 (l)	Backrest impact test	P
6.2 (m)	Armrest impact test	NA
6.2 (n)	Chair drop test (stacking chairs only)	NA
6.2 (o)	Footrest static load test	NA
6.2 (p)	Footrest durability test	NA
6.2 (q)	Swivel durability test	NA
6.2 (r)	Writing tablet vertical static load test	NA
6.2 (s)	Writing tablet durability test	NA
6.2 (t)	Castor durability test	NA
7	Stability requirements	-
7.1	All chairs	-
W.5.2	Forwards overbalancing of all chairs	P
W.5.3	Forwards overbalancing of chairs with a footrest	NA
W.5.4	Sideways overbalancing of chairs without armrests	P
W.5.5	Sideways overbalancing of chairs with armrests	NA
W.5.6	Rearwards overbalancing of chairs with backs	P
W.5.7	Rearwards overbalancing of chairs with backrest inclination	NA
W.5.8	Chairs with a writing tablet	NA
W.5.9	Sideways overbalancing	NA
W.5.10	Rearwards overbalancing	NA
7.2	Primary and secondary tipping points	NA
7.3	Chairs with backrest inclination and chairs with fixed backrests greater than 15° from the vertical	NA
8	Labelling and markings	P(See note # 1)

Abbreviation: **P**=Pass **NA**=Not Applicable

Note:

1 Only artwork of marking labeling was provided for review.

2 sample description:

Overall dimensions(mm): 335 (Depth) x 285(Width) x 545 (Height)

Weight(kg): 1.75

Seat height(mm): 305mm

Date Sample Received: Jul 21, 2023

Testing Period: Jul 21, 2023 to Jan 11, 2024



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2. Formaldehyde Emission

As per AS NZS 2098.11-2005 (R2016), by Ultraviolet-Visible (UV-VIS) spectrophotometric analysis.

<u>Tested component</u>	<u>Result (mg/L) (mean value/ max value)</u>	<u>Reporting limit (mg/L)</u>
(1)	0.4/0.4	0.1

Formaldehyde emission class:

Super E0: 0.3/0.4 mg/L (mean value/max value)

E0: 0.5 mg/L (max value)

E1:1.0 mg/L (max value)

Remark : ND = Not detected (less than reporting limit)

Tested Component(s): See component list in the last section of this report

Date Sample Received: Jul 21, 2023

Testing Period: Jul 21, 2023 to Aug 11, 2023

Components List:

- (1) Wooden surface plywood (chair) (18mm)



Picture 1: Submitted Sample



Picture 2: Reference Sample

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Picture 3: Reference Sample

Note:

The additional pictures "2-3" of reference sample were added to this report at the request of the client and has not been tested by Intertek. The client stated in the letter of guarantee that reference pictures "2-3" of reference sample are exactly the same as the material of the sample submitted in this report.

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End Of Report

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