

Furntech-AFRDI TEST REPORT No. 16976/1
Tested to AFRDI Blue Tick Certification Criteria based on the
requirements of Australian/New Zealand Standard 3813: 2016
Plastic monobloc chairs
For use by adults up to 135 kg.

Furntech-AFRDI No.	16976/1
Supplier:	Techno Plastics Pty Ltd
Supplier address:	9 Damian Court Dandenong, Victoria 3175
Product described as:	Bistro Chair
Colour:	White
Mould:	Unknown
Test level:	Heavy Duty
Date of test:	20 March 2024 to 27 March 2024



This Test Report refers to testing on one sample.
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 This Test Report does not imply certification or endorsement by Furntech-AFRDI.

TEST RESULTS

Section 1: General requirements

1.4 Marking

Requirement	Results
1.4.2 All chairs shall be clearly and durably marked with the following:	
(a) The manufacturer's or importer's name and address.	Compliance
(b) Date of manufacture.	Compliance
(c) That the chair is not suitable for shower or bathroom use.	Compliance
(d) An industry-accepted recyclability and materials identification code.	Compliance
(e) The Sections of this Standard (AS/NZS 3813) to which it is claimed to be compliant and, if appropriate, at what level.	Compliance
(f) Whether the chair is stackable or non-stackable.	Compliance

Section 2: Determination of strength and durability

2.4 Test Procedures

Requirement		Result
2.4.1	Seat static load: seat loading point	Compliance
	Seat static load: 100 mm from front edge	Compliance
2.4.2	Back static load test	Compliance
2.4.3	Leg rearward static load test	Compliance
	Actual rearward force used	600 N
2.4.4	Arm sideways static load	Not applicable
2.4.5	Arms downward static load test	Not applicable
2.4.6	Seat fatigue test	Compliance
2.4.7	Back and leg rearward fatigue test	Compliance
2.4.8	Armrest fatigue test	Not applicable
2.4.9	Leg forward static load test	Compliance
	Actual forward force used	380 N
2.4.10	Leg sideways static load test	Compliance
	Actual sideways force used	350 N
2.4.11	Seat impact test: seat loading point	Compliance
	Seat impact test: 100 mm from front edge	Compliance
2.4.12	Back impact test:	Compliance
2.4.13	Arm impact test:	Not applicable
2.4.14	Drop test: front leg ¹	Compliance
	Drop test: rear leg ¹	Compliance

Note 1: The drop test was performed onto a 2 mm thick rubber mat with a hardness of 63 Shore A instead of 97 IRHD.

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Section 3: Determination of stability – Experimental method

3.4 Test procedures

Requirement			Result
3.4.1	Forward overbalancing	Minimum overturning force required 20 N	Compliance 76 N
	Sideways overbalancing for chairs without arms	Minimum overturning force required 20 N	Compliance 53 N
3.4.2	Rearwards overbalancing	Minimum overturning force required 169 N	Compliance 237 N
3.4.3	Sideways overbalancing for chairs with arms	Minimum overturning force required — N	Not applicable

Section 4: UV and weathering

Requirement	Results
Shall meet the requirements of AS/NZS 3813:2016, Section 4, UV and weathering at test level —.	Not assessed

Section 5: Ignitability

Requirement	Results
Shall meet the requirements of AS/NZS 3813:2016, Section 5, and Ignitability.	Not assessed

Tested by:

Date:

Checked by:



Jeremy Jackson
Testing Officer

28 March 2024



*Colin Witt
Team Leader

* Approved signatory