



Test Report
4790834907
UL
3480 Windquest Dr.
Holland, MI 49424
PH 616-928-0791
www.furnituretest.com



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Requester:	National Public Seating Corp. 149 Entin Road Clifton, NJ 07014
Contact Name:	Sherri Miller
Dates Tested:	04/28/23 to 05/01/23
Date Issued:	05/02/23
Technician:	Ron Day
UL Order / Project Number:	14783738 / 4790834907

Scope: To evaluate the Folding Chairs, supplied by National Public Seating Corp., by subjecting them to the following tests:

Requested Tests:

<u>Test Name</u>	<u>Requirement</u>
Backrest Strength - Static - Type III	ANSI/BIFMA X5.1-2017(R2022), Section 6
Drop Test - Dynamic	ANSI/BIFMA X5.1-2017(R2022), Section 7
Stability Tests	ANSI/BIFMA X5.1-2017(R2022), Section 11
Leg Strength Test – Front and Side Application	ANSI/BIFMA X5.1-2017(R2022), Section 17

Product Description:

<u>Specimen (UL ID)</u>	<u>Description</u>	<u>Received</u>	<u>Condition</u>	<u>Supplier</u>
6027644	Folding Chair – Model NPS210-10	04/27/23	New	National Public Seating Corp.
6027646	Folding Chair – Model NPS210-10	04/27/23	New	National Public Seating Corp.

Summary:

<u>Test Name</u>	<u>Specimen(s)</u>	<u>Results</u>
Backrest Strength - Static - Type III	6027644	Met Requirement
Drop Test - Dynamic	6027646	Met Requirement
Stability Tests	6027646	Met Requirement
Leg Strength Test – Front and Side Application	6027644	Met Requirement

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Test Results:

Backrest Strength Test - Static - Type III:

Testing was performed per ANSI/BIFMA X5.1-2017(R2022), Section 6.

Notes:

- Functional load: 150 lbs. for 1 minute.
- Proof load: 225 lbs. for 1 minute.
- See photo for setup.



<u>Specimen</u>	<u>Load (lbs.)</u>	<u>Time (sec.)</u>	<u>Observations</u>
6027644	150	60	No loss of serviceability.
	225	60	No sudden and major change in structural integrity.

Requirement:

Functional Load: *There shall be no loss of serviceability to the chair.*

Proof Load: *There shall be no sudden and major change in the structural integrity of the chair.
Loss of serviceability is acceptable.*



Drop Test – Dynamic:

Testing was performed per ANSI/BIFMA X5.1-2017(2022), Section 7.

Notes:

- Functional load: 225 lbs.
- Proof load: 300 lbs.
- See photo for setup.



<u>Specimen</u>	<u>Chair Height</u>	<u>Load (lbs.)</u>	<u>Observations</u>
6027646	Fixed	225	No loss of serviceability.
	Fixed	300	No sudden and major change in structural integrity.

Requirement:

Functional Load: There shall be no loss of serviceability.

Proof Load: There shall be no sudden and major change in the structural integrity of the chair.
Loss of serviceability is acceptable.



Stability Tests:

Testing was performed per ANSI/BIFMA X5.1-2017(R2022), Section 11.

Notes:

- Type III rear stability performed with 6 discs.
- Type III rear stability force calculation: $1.1(47-17.625) = 32.3$ lbs.
- See photos for setups.



Rear Stability:

<u>Specimen</u>	<u>Observations</u>
6027646	Type III – Unit tipped at 53.9 lbs. Unit passed 32.3 lb. minimum.
	Type I&II – N/A

Front Stability:

<u>Specimen</u>	<u>Force to Tip</u>
6027646	Unit tipped at 24.5 lbs. Unit passed 4.5 lb. minimum.

Requirement:

Rear Stability: The chair shall not tip over.

Front Stability: The chair shall not tip over as the result of the force application.



Leg Strength Test – Front and Side Application:

Testing was performed per ANSI/BIFMA X5.1-2017(R2022), Section 17.

- See photo for setup.



<u>Specimen</u>	<u>Load (lbf)</u>	<u>Time (sec.)</u>	<u>Application</u>	<u>Observations</u>
6027644 / RF	75	60	Side	No loss of serviceability.
6027644 / RR	75	60	Side	No loss of serviceability.
6027644 / RR	113	60	Side	No sudden and major change in structural integrity.
6027644 / LF	113	60	Side	No sudden and major change in structural integrity.

Requirement:

Functional Load: Functional load(s) shall cause no loss of serviceability.

Proof Load: Proof load(s) shall cause no sudden and major change in the structural integrity of the chair. Loss of serviceability is acceptable.