


Prüfbericht-Nr.: <i>Test Report No.:</i>	IN23133D 001	Auftrags-Nr.: <i>Order No.:</i>	146757904	Seite 1 von 3 <i>Page 1 of 3</i>
Kunden-Referenz-Nr.: <i>Client Reference No.:</i>	Not Provided	Auftragsdatum: <i>Order date:</i>	24/01/2023	
Auftraggeber: <i>Client:</i>	PACE SEATING SYSTEM PVT LTD New #5/6, 4th cross road, Raghavendra layout, Tumkur Road, Yeshwanthpura Bangaluru-560022			
Prüfgegenstand: <i>Test item:</i>	Loop chair			
Bezeichnung / Typ-Nr.: <i>Identification / Type No.:</i>	Style No./SKU No. :Not provided			
Auftrags: <i>Order:</i>	PO No.: Not Provided			
Prüfgrundlage: <i>Test specification</i>	ANSI BIFMA X5.1- 2017 (GENERAL –PURPOSE OFFICE CHAIRS TESTS) STRENGTH, DURABILITY AND SAFETY TESTS FOR OFFICE CHAIRS			
Wareneingangsdatum: <i>Date of receipt:</i>	10/01/2023			
Prüfmuster-Nr.: <i>Test sample No.:</i>	A003405904-001			
Prüfzeitraum: <i>Testing period:</i>	10/01/2023 - 27/01/2023			
Ort der Prüfung: <i>Place of testing:</i>	27/B, 2nd Cross, Electronic City, Phase 1, Bangalore- 560 100			
Prüflaboratorium: <i>Testing laboratory:</i>	TÜV Rheinland (India) Pvt. Ltd-Furniture Laboratory			
Prüfergebnis*: <i>Test result*:</i>	Pass			
geprüft von / tested by: 27.01.2023 Sachin Shivaraj 		kontrolliert von / reviewed by: 27.01.2023 Yogisha Gow da/ Reviw er		
Datum <i>Date</i>	Name / Stellung <i>Name / Position</i>	Unterschrift <i>Signature</i>	Datum <i>Date</i>	Name / Stellung <i>Name / Position</i>
Sonstiges / Other. Buyer name: Not provided, Country of origin:India, Country of destination:Not Provided, Material: Not Provided , Color Name: Not Provided , End use of product:Office Chair				
Zustand des Prüfgegenstandes bei Anlieferung: <i>Condition of the test item at delivery:</i>		Prüfling komplett und beschädigt <i>Test item complete and undamaged</i>		
* Legende: 1 = sehr gut 2 = gut 3 = bef riedigend 4 = ausreichend 5 = mangelhaf t P(ass) = entspricht o.g. Prüfgrundlage(n) F(ail) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendbar N/T = nicht getestet Legend: 1 = very good 2 = good 3 = satisfactory 4 = sufficient 5 = poor P(ass) = passed a.m test specification(s) F(ail) = failed a.m test specification(s) N/A = not applicable N/T = not tested				
Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. <i>This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.</i>				



Test Report- Hardline
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Overall dimensions (unloaded)

 Height: 1110mm Width: 725mm Depth: 725mm Weight: 15.150kg
 Seat height: (unload) 545mm Arm height: (from top to floor) 806mm

 Types of Chairs (per cl. 4) I II III

Clause	Test Item	Parameter			Result*	
			Functional	Proof		Observation
5	Backrest strength test – Static Type I & II	<input checked="" type="checkbox"/> 406mm (H ≥ 452 mm) <input type="checkbox"/> Top loading (H < 452 mm) <input type="checkbox"/> Pivoting point (>20°)	667 N (150 lbf)	1001 N (225 lb)	No loss of serviceability at functional and proof load	P
6	Backrest strength test – Static Type III	<input checked="" type="checkbox"/> 406mm (H ≥ 452 mm) <input type="checkbox"/> Top loading (H < 452 mm)	667 N (150 lbf)	1001 N (225 lb)	No loss of serviceability at functional and proof load	P
7	Drop test - Dynamic All Types	13 mm ± 13 mm from most forward of backrest H = 152 mm(unloaded)	102 kg (225 lbf)	136 kg (225 lbf)	No loss of serviceability at functional and proof load	P
8	Swivel test – Cyclic All Types	122 kg (270 lbf) on 51-64 mm forward rotational axis 360° ± 10° / cycle	120,000 cycles		No loss of serviceability	P
9	Tilt mechanism test - Cyclic Type I & II	109 kg (240 lbf) on center of seat	300,000 cycles		No loss of serviceability	P
10.3	Seating durability test - Cyclic Impact Test All Types	13 mm ± 13 mm from most forward of backrest H = 36 mm (unloaded) 57 kg (125 lbf)	100,000 cycles		No loss of serviceability	P
10.4	Seating durability test Front corner load-ease test – Cyclic – off-center All Types	Flush to front edge 890 N (200 lbf)	20,000 + 20,000 cycles		No loss of serviceability	P
11.3.1	Rear Stability Type III	Appendix G template <input type="checkbox"/> H _{seat} ≥ 710 mm, F = 93 N <input checked="" type="checkbox"/> H _{seat} < 710 mm, F = <u>127.66</u> N	6 disks		No tip over at 127.66N	P
11.3.2	Rear Stability Type I & II	Appendix G template Most rearward position	13 disks		No tip over at 130kg	P
11.4	Front stability All Types	<input type="checkbox"/> with loading fixture <input checked="" type="checkbox"/> without, alternate methods F _v = 61 kg, at 60 mm from edge	20 N (4.5 lbf)		No tip over	P

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Clause	Test Item	Parameter			Result*	
		Functional	Proof	Observation		
12	Arm Strength Test – Vertical - Static All Types	Loading adapter (weakest point along arm)	750 N (169 lbf) Max. 6 mm 1 min.	1125N Max. 25 mm 15 Sec	No loss of serviceability at functional load and Proof Load	P
13	Arm Strength Test – Horizontal - Static All Types	< 25 mm loading point (weakest point along arm)	445 N (100 lbf) 1 min.	667 N (150 lbf) 15 sec	No loss of serviceability at functional and proof load	P
14	Backrest Durability test - Cyclic Type I	F _{seat} = 109 kg F _{back} = 445 N 120,000 cycles	-	-	No loss of serviceability	P
15	Backrest Durability test - Cyclic Type II & III	F _{seat} = 109 kg F _{back} = 334 N 120,000 cycles	-	-	No loss of serviceability	P
16.1	Caster/Chair Durability test - Cyclic Pedestal base with casters	1 stroke = 762 mm ± 50 mm 1 cycle = 1 forward + 1 backward F _{seat} = 122 kg F _{pull} = 22 N/caster 2000 cycles (obstacle) + 98,000 cycles (smooth)	-	-	No loss of serviceability	P
20	Arm Durability Test - Cyclic	100 mm length arm pad F = 2 x 400 N (simultaneously) 60,000 cycles	-	-	No loss of serviceability	P

* Key: P Pass F Fail
 NC Not Conducted as per client request NT Not Test

DATA

Remark: 1) Testing has been Conducted as per Applicant Request.
 2) Sample not drawn by TUV Rheinland India Pvt. Ltd.

END OF REPORT