



| | | | | | |
|---|---|---|-----------------------------|--|---|
| Prüfbericht-Nr.: <i>Test Report No.:</i> | IN22K9Z9 001 | Auftrags-Nr.: <i>Order No.:</i> | 146723143 | Seite 1 von 3 <i>Page 1 of 3</i> | |
| Kunden-Referenz-Nr.: <i>Client Reference No.:</i> | TRF dated on 23/09/2022 | Auftragsdatum: <i>Order date:</i> | 28.09.2022 | | |
| 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> | WORKSTATION CHAIRS SCOOT CUSHION CHAIRS | | | | |
| 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> | 23.09.2022 |  | | | |
| Prüfmuster-Nr.: <i>Test sample No.:</i> | A003343179-001,A003343179-002 & A003343179-003 | | | | |
| Prüfzeitraum: <i>Testing period:</i> | 23.09.2022 - 06.10.2022 | | | | |
| 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: | kontrolliert von / reviewed by: | | | | |
| 06.10.2022 Sachin Shivaraj  | 06.10.2022 Yogisha Gowda/ Reviwer | | | | |
| Datum <i>Date</i> | Name / Stellung <i>Name / Position</i> | Unterschrift <i>Signature</i> | Datum <i>Date</i> | Name / Stellung <i>Name / Position</i> | Unterschrift <i>Signature</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> | | Prüfing komplett und beschädigt <i>Test item complete and undamaged</i> | | | |
| * Legende: 1 = sehr gut 2 = gut 3 = befriedigend 4 = ausreichend 5 = mangelhaft 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
ANLAGE zum Prüfbericht-Nr.:
APPENDIX to Test Report No.: IN22K9Z9 001

 Seite 2 von 3
 Page 2 of 3

Overall dimensions (unloaded)

 Height: 1075mm Width: 730mm Depth: 730mm Weight: 14.350kg
 Seat height: (unload) 540mm Arm height: (from top to floor) 788mm

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

| Clause | Test Item | Parameter | | | Observation | Result* |
|--------|--|--|---|---------------------|--|----------|
| | | | Functional | Proof | | |
| 5 | Backrest strength test – Static Type I & II | <input checked="" type="checkbox"/> 406mm (H ≥ 452 mm) | 667 N (150 lbf) | 1001 N (225 lb) | No loss of serviceability at functional and proof load | P |
| | | <input type="checkbox"/> Top loading (H < 452 mm) | | | | |
| | | <input type="checkbox"/> Pivoting point (>20°) | | | | |
| 6 | Backrest strength test – Static Type III | <input checked="" type="checkbox"/> 406mm (H ≥ 452 mm) | 667 N (150 lbf) | 1001 N (225 lb) | No loss of serviceability at functional and proof load | P |
| | | <input type="checkbox"/> Top loading (H < 452 mm) | | | | |
| 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>129</u> N | 6 disks | | No tip over at 129N | 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 |
| 12 | Arm Strength Test – Vertical - Static All Types | Loading adapter (weakest point along arm) | 750 N (169 lbf) Max. 6 mm 1 min. | - | No loss of serviceability at functional load | P |

Test Report- Hardline
ANLAGE zum Prüfbericht-Nr.:
APPENDIX to Test Report No.: IN22K9Z9 001

 Seite 3 von 3
 Page 3 of 3

| Clause | Test Item | Parameter | | | Observation | Result* |
|--------|--|---|------------------------------|------------------------------|--|----------|
| | | | Functional | Proof | | |
| 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} = 445 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 NA
 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