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|---|--|---|--|---|
| Prüfbericht-Nr.: <i>Test report no.:</i> | CN22HNP4 001 | Auftrags-Nr.: <i>Order no.:</i> | 170302353 10 | Seite 1 von 6 Page 1 of 6 |
| Kunden-Referenz-Nr.: <i>Client reference no.:</i> | N/A | Auftragsdatum: <i>Order date:</i> | 2022.03.04 | |
| Auftraggeber: <i>Client:</i> | Arozzi Europe AB Transformatorgatan 9 59535 Mjölby Sweden | | | |
| Prüfgegenstand: <i>Test item:</i> | ARENA MOTO | | | |
| Bezeichnung / Typ-Nr.: <i>Identification / Type no.:</i> | ARENA MOTO | | | |
| Auftrags-Inhalt: <i>Order content:</i> | Mechanical safety test | | | |
| Prüfgrundlage: <i>Test specification:</i> | ANSI/BIFMA X5.5 : 2021 | | | |
| Wareneingangsdatum: <i>Date of sample receipt:</i> | 2022.03.04 |  | | |
| Prüfmuster-Nr.: <i>Test sample no.:</i> | A003221566-003 | | | |
| Prüfzeitraum: <i>Testing period:</i> | 2022.03.04 - 2022.03.18 | | | |
| Ort der Prüfung: <i>Place of testing:</i> | Unit 201, NO.7 Caipin Road, GuangZhou, China | | | |
| Prüflaboratorium: <i>Testing laboratory:</i> | TÜV Rheinland (Guangdong) Ltd. | | | |
| Prüfergebnis*: <i>Test result*:</i> | Pass | | | |
| geprüft von: <i>tested by:</i> | X <u>Jon Huang</u> <small>Signed by Jon Huang</small> | genehmigt von: <i>authorized by:</i> | X <u>Kingsley He</u> <small>Signed by Kingsley He</small> | |
| Datum: <i>Date:</i> | 2022.03.18 | Ausstellatum: <i>Issue date:</i> | 2022.03.18 | |
| Stellung / Position: | Senior Test Engineer | Stellung / Position: | Reviewer | |
| Sonstiges / Other: | [REDACTED] | | | |
| Zustand des Prüfgegenstandes bei Anlieferung: <i>Condition of the test item at delivery:</i> | Prüfmuster vollständig und unbeschädigt <i>Test item complete and undamaged</i> | | | |
| * Legende: | 1 = sehr gut P(ass) = entspricht o.g. Prüfgrundlage(n) | 2 = gut F(ail) = entspricht nicht o.g. Prüfgrundlage(n) | 3 = befriedigend N/A = nicht anwendbar | 4 = ausreichend N/T = nicht getestet |
| * Legend: | 1 = very good P(ass) = passed a.m. test specification(s) | 2 = good F(ail) = failed a.m. test specification(s) | 3 = satisfactory N/A = not applicable | 4 = sufficient N/T = not tested |
| <p>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></p> | | | | |

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Anmerkungen
Remarks

- | | |
|---|---|
| 1 | <p>Alle eingesetzten Prüfmittel waren zum angegebenen Prüfzeitraum gemäß eines festgelegten Kalibrierungsprogramms unseres Prüfhauses kalibriert. Sie entsprechen den in den Prüfprogrammen hinterlegten Anforderungen. Die Rückverfolgbarkeit der eingesetzten Prüfmittel ist durch die Einhaltung der Regelungen unseres Managementsystems gegeben. Detaillierte Informationen bezüglich Prüfkonditionen, Prüfequipment und Messunsicherheiten sind im Prüflabor vorhanden und können auf Wunsch bereitgestellt werden.</p> <p><i>The equipment used during the specified testing period was calibrated according to our test laboratory calibration program. The equipment fulfils the requirements included in the relevant standards. The traceability of the test equipment used is ensured by compliance with the regulations of our management system. Detailed information regarding test conditions, equipment and measurement uncertainty is available in the test laboratory and could be provided on request.</i></p> |
| 2 | <p>Wie vertraglich vereinbart, wurde dieses Dokument nur digital unterzeichnet. Der TÜV Rheinland hat nicht überprüft, welche rechtlichen oder sonstigen diesbezüglichen Anforderungen für dieses Dokument gelten. Diese Überprüfung liegt in der Verantwortung des Benutzers dieses Dokuments. Auf Verlangen des Kunden kann der TÜV Rheinland die Gültigkeit der digitalen Signatur durch ein gesondertes Dokument bestätigen. Diese Anfrage ist an unseren Vertrieb zu richten. Eine Umweltgebühr für einen solchen zusätzlichen Service wird erhoben.</p> <p><i>As contractually agreed, this document has been signed digitally only. TUV Rheinland has not verified and unable to verify which legal or other pertaining requirements are applicable for this document. Such verification is within the responsibility of the user of this document. Upon request by its client, TUV Rheinland can confirm the validity of the digital signature by a separate document. Such request shall be addressed to our Sales department. An environmental fee for such additional service will be charged.</i></p> |
| 3 | <p>Prüfklausel mit der Note * wurden an qualifizierte Unterauftragnehmer vergeben und sind unter der jeweiligen Prüfklausel des Berichts beschrieben. Abweichungen von Prüfspezifikation(en) oder Kundenanforderungen sind in der jeweiligen Prüfklausel im Bericht aufgeführt.</p> <p><i>Test clauses with remark of * are subcontracted to qualified subcontractors and described under the respective test clause in the report. Deviations of testing specification(s) or customer requirements are listed in specific test clause in the report.</i></p> |

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Produktbeschreibung
Product description

| | | |
|---|---|--|
| 1 | Produktdetails <i>Product details</i> | ARENA MOTO |
| 2 | Maße / Gewicht <i>Dimensions / Weight</i> | H x W x D: 740~1185 x 1610 x 820 mm Weight: 50.40 kg |
| 3 | Bedienelemente <i>Operating elements</i> | Height Adjustable |
| 4 | Ausstattung / Zubehör <i>Equipment / Accessories</i> | N/A |
| 5 | Verwendete Materialien <i>Used materials</i> | Wood , plastics and metal |
| 6 | Sonstiges <i>Other</i> | N/A |
| 7 | Prüfmusterbereitstellung: <i>Test sample obtaining:</i> | <input checked="" type="checkbox"/> Sending by customer <input type="checkbox"/> Sampling by TÜV Rheinland Group <input type="checkbox"/> others: |

Pic. 1: Front view



Pic. 2: Front view



Pic. 3: Side view



Pic. 4: Bottom view



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|--|--|--|---------------------------|
| Absatz Clause | Anforderungen - Prüfungen / Requirements - Tests | Messergebnisse – Bemerkungen / Measuring results - Remarks | Ergebnis Result |

| ANSI/BIFMA X5.5-2021 | | | |
|-----------------------------|---|---|-----|
| 1 | Scope | | |
| 2 | Definitions | | |
| 3 | General | | |
| 3.2 | Manufacturer's Instructions | | N/A |
| 3.3 | Clearances | | / |
| 3.3.1 | Clearance Between Adjusting Primary and Secondary Surfaces | | N/A |
| 3.3.2 | Foot Clearance for Height Adjustable Tables | | N/A |
| 3.7 | Pretest Inspection | | P |
| 3.10 | Temperature and Humidity Considerations | | N/A |
| 3.12 | Glass Surfaces (ASTM F2813) | | N/A |
| 4 | Stability Tests | | |
| 4.1 | Purpose of Tests | | / |
| 4.2 | Stability with Extendible Elements Open Test | | N/A |
| 4.3 | Stability Under Vertical Load Tests | | P |
| 4.4 | Horizontal Stability Test for Desk and Tables with Casters | | N/A |
| 4.5 | Horizontal Stability Test for Keyboard/Laptop Tables (with and without casters) | | N/A |
| 4.6 | Force Stability Test for Tall Desk and Table Products | | N/A |
| 5 | Unit Strength Tests | | |
| 5.1 | Purpose of Tests | | / |
| 5.2 | Concentrated Functional Load Test | | P |
| 5.3 | Distributed Functional Load Test | | P |
| 5.4 | Concentrated Proof Load Test | | P |
| 5.5 | Distributed Proof Load Test | | P |
| 5.6 | Transaction Surface Torsion Load Test | | N/A |
| 5.7 | Extendible Element Static Load Tests | | / |
| 5.7.2 | Extendible Element Functional Load Test | The functional loading tests for extendible elements are performed as described in Sections 5.2 and 5.3 and need not be repeated if they have already been performed. | / |
| 5.7.3 | Extendible Element Proof Load Test | | N/A |
| 5.8 | Benching Systems – Distributed Functional Load and Stability Test | | N/A |
| 5.9 | Benching Systems – Distributed Proof Load Test | | N/A |
| 6 | Top Load Ease Cycle Test | | P |
| 7 | Desk/Table Unit Drop Test | | P |
| 8 | Leg Strength Test | | |
| 8.1 | Purpose of Tests | | / |
| 8.2 | Leg Strength Test - Standard | | / |
| 8.2.3 | Functional Test Acceptance Level | | P |

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| 8.2.5 | Proof Test Acceptance Levels | | P |
| 8.3 | Leg Strength Test - Alternate | | / |
| 8.3.3 | Functional Test Acceptance Level | | P |
| 8.3.5 | Proof Test Acceptance Levels | | P |
| 9 | Separation Tests for Tall Desk/Table Products with Vertically Attached or Stacked Components | | N/A |
| 10 | Extendible Element Cycle Test | | |
| 10.1 | Purpose of Tests | | / |
| 10.2 | Cycle Test for Extendible Elements as Deep as or Deeper than Wide | | N/A |
| 10.3 | Cycle Test for Extendible Elements Wider than Deep | | N/A |
| 10.4 | Cycle Test for Low Height Drawers | | N/A |
| 11 | Extendible Element Retention Impact and Durability (Out Stop) Tests | | N/A |
| 12 | Extendible Element Rebound Test | | N/A |
| 13 | Interlock Strength Test | | N/A |
| 14 | Lock Tests | | |
| 14.1 | Purpose of Tests | | / |
| 14.2 | Force Test for Extendible Element Locks | | N/A |
| 14.3 | Force Test for Door Locks | | N/A |
| 14.4 | Locking Mechanism Cycle Test | | N/A |
| 15 | Work Surface Vertical Adjustment Test | | P |
| 16 | Keyboard Support and Input Device Support Adjustment Tests | | N/A |
| 17 | Door Tests | | |
| 17.1 | Purpose of Tests | | / |
| 17.2 | Strength Test for Vertically Hinged Doors, Bi-fold Doors and Vertically Receding Doors | | N/A |
| 17.3 | Hinge Override Test for Vertically Hinged Doors | | N/A |
| 17.4 | Vertical Receding Doors Strength Test | | N/A |
| 17.5 | Horizontal Receding Doors Strength Test | | N/A |
| 17.6 | Wear and Fatigue Test for Hinged, Horizontally Sliding, and Tambour Doors | | N/A |
| 17.7 | Wear and Fatigue Test for Vertical Receding Doors | | N/A |
| 17.8 | Wear and Fatigue Test for Horizontal Receding Doors | | N/A |
| 17.9 | Vertical and Horizontal Receding Door Out Stop Test – Cyclic Impact and Durability | | N/A |
| 17.10 | Slam Closed Test for Vertically Hinged and Vertically Receding Doors | | N/A |
| 17.11 | Drop Cycle Test for Horizontally Hinged and Horizontally Receding Doors | | N/A |
| 17.12 | Slam Test for Doors that Free Fall Open or Closed | | N/A |
| 17.13 | Slam Open and Closed Test for Doors That Do Not Free Fall | | N/A |
| 17.14 | Door Latch Test | | N/A |
| 18 | Durability Test for Desks and Tables with Casters | | N/A |
| 19 | Pull Force Test | | N/A |

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| 20 | Tilt-Top Table – Cycle Test | | N/A |
| 21 | Tilt-Top Table – Latch Strength Test | | N/A |
| 22 | Monitor Arm Strength Test | | N/A |
| 23 | Monitor Arm Cyclic Test | | N/A |
| 24 | Monitor Arm Dislodgement Test | | N/A |
| 25 | Unattached Desk or Table Top Retention Test | | N/A |
| / | Appendix A - Top Load Ease Test Bag – Construction – Informative | | |
| / | Informative Appendix B – Stability Test for Desk/Table Products that accommodate Monitors | | N/A |
| / | Informative Appendix C - Summary of Significant Changes | | |

*** End of test report ***