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|--|---|--|------------|-------------------------------------|
| Prüfbericht-Nr.: <i>Test report no.:</i> | CN22GC50 001 | Auftrags-Nr.: <i>Order no.:</i> | 244443859 | Seite 1 von 7 <i>Page 1 of 7</i> |
| Kunden-Referenz-Nr.: <i>Client reference no.:</i> | N/A | Auftragsdatum: <i>Order date:</i> | 2022.08.17 | |
| Auftraggeber: <i>Client:</i> | TUMACO LIMITED Address: 13/F GLOUCESTER TOWER THE LANDMARK 15 QUEEN'S RD CENTRAL, CENTRAL, HONG KONG | | | |
| Prüfgegenstand: <i>Test item:</i> | Playground equipment (Weather Station) | | | |
| Bezeichnung / Typ-Nr.: <i>Identification / Type no.:</i> | HW1-S599-A | | | |
| Auftrags-Inhalt: <i>Order content:</i> | Test report | | | |
| Prüfgrundlage: <i>Test specification:</i> | EN 1176-1:2017 Playground equipment and surfacing - Part 1: General safety requirements and test methods Details see Other | | | |
| Wareneingangsdatum: <i>Date of sample receipt:</i> | 2022.08.17 |  | | |
| Prüfmuster-Nr.: <i>Test sample no.:</i> | HW1-S599-A | | | |
| Prüfzeitraum: <i>Testing period:</i> | 2022.08.17 - 2022.09.19 | | | |
| Ort der Prüfung: <i>Place of testing:</i> | See Other | | | |
| Prüflaboratorium: <i>Testing laboratory:</i> | TÜV Rheinland (Shanghai) Co., Ltd. | | | |
| Prüfergebnis*: <i>Test result*:</i> | Pass | | | |
| geprüft von: <i>tested by:</i> | genehmigt von: <i>authorized by:</i> | | | |
| Datum: <i>Date:</i> 2022.09.29 | Ausstellungsdatum: <i>Issue date:</i> 2022.09.29 | | | |
| Stellung / Position: Yisheng Han/ PE | Stellung / Position: Terry Jin/ Reviewer | | | |
| Sonstiges / Other: | Place of testing: 1. TÜV Rheinland (Shanghai) Co., Ltd.; 2. Wisdom Educational Products Co., Ltd Manufacturer: Wisdom Educational Products Co., Ltd Building 4, Lane 2777, Baoan Road, Malu Town, Jiading District, Shanghai, China As requested by client, test according to EN 1176-1:2017 cl.4.2.14 was not conducted. Details see report from page 4 to 7. | | | |
| 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: P(ass) = entspricht o.g. Prüfgrundlage(n) F(ail) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendbar N/T = nicht getestet | | | | |
| * Legend: P(ass) = passed a.m. test specification(s) F(ail) = failed a.m. test specification(s) N/A = not applicable 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 above mentioned 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

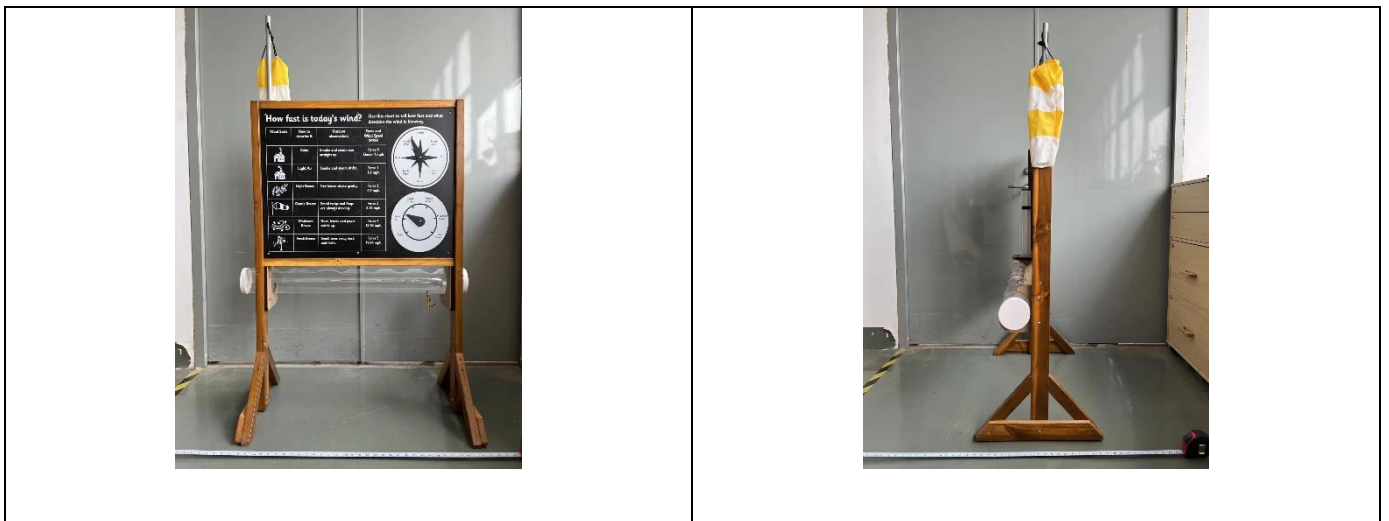
| | |
|---|---|
| 1 | <p>Alle eingesetzten Prüfmittel waren zum angegebenen Prüfzeitraum gemäß eines festgelegten Kalibrierungsprogramms unseres Prüfhauses kalibriert. Sie entsprechen den in den Prüfprogrammen hinterlegten Anforderungen. Die Rückverfolgbarkeit der eingesetzten Prüfmittel ist durch die 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> |
| 4 | <p>Die Entscheidungsregel für Konformitätserklärungen in diesem Prüfbericht basiert auf der "Null-Grenzwert-Regel" und der "Einfachen Akzeptanz" gemäß ILAC G8:2019 und IEC Guide 115:2021, es sei denn, in der auf Seite 1 dieses Berichts genannten angewandten Norm ist etwas anderes festgelegt oder vom Kunden gewünscht. Dies bedeutet, dass die Messunsicherheit nicht berücksichtigt wird und daher auch nicht im Prüfbericht angegeben wird.</p> <p><i>The decision rule for statements of conformity in this test report is based on the "Zero Guard Band Rule" and "Simple Acceptance" in accordance with ILAC G8:2019 and IEC Guide 115:2021, unless otherwise specified in the applied standard mentioned on Page 1 of this report or requested by the customer. This means that measurement uncertainty is not taken in account and hence also not declared in the test report.</i></p> |

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Produktbeschreibung
Product description

| | | |
|---|--|--|
| 1 | Produktdetails <i>Product details</i> | Playground equipment (Weather Station) Age group: 2-12 years old, Capacity: 2 children (Claimed by client) |
| 2 | Maße / Gewicht <i>Dimensions / Weight</i> | 950x 500x 1250mm/ 17.5Kg (Claimed by client) |
| 3 | Bedienelemente <i>Operating elements</i> | N/A |
| 4 | Ausstattung / Zubehör <i>Equipment / Accessories</i> | N/A |
| 5 | Verwendete Materialien <i>Used materials</i> | Wood, metal, plastic and etc. |
| 6 | Sonstiges <i>Other</i> | Test sample(s), as well sample information, description, product details and intended usage was provided by customer. |
| 7 | Prüfmusterbereitstellung: <i>Test sample obtaining</i> | <input type="checkbox"/> Sending by customer <input type="checkbox"/> Sampling by TÜV Rheinland Group <input checked="" type="checkbox"/> others: Test onsite |



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

| | | | |
|---|---|------------------------------|------------|
| EN 1176-1:2017 | | | |
| Playground equipment and surfacing - Part 1: General safety requirements and test methods | | | |
| 1 | Scope | | |
| 2 | Normative references | | |
| 3 | Terms and definitions | | |
| 4 | Safety requirements | | |
| 4.1 | Materials | <i>Declaration provided.</i> | P |
| 4.1.1 | General | | P |
| 4.1.2 | Flammability | | P |
| 4.1.3 | Timber and associated products | | P |
| 4.1.4 | Metals | | P |
| 4.1.5 | Synthetics | | P |
| 4.1.6 | Dangerous substances | | P |
| 4.2 | Design and manufacture | | P |
| 4.2.1 | General | | P |
| 4.2.2 | Structural integrity | | P |
| 4.2.3 | Accessibility for adults | | P |
| 4.2.4 | Protection against falling | | P |
| 4.2.4.1 | General | | N/A |
| 4.2.4.2 | Handrails | | P |
| 4.2.4.3 | Guardrails | | N/A |
| 4.2.4.4 | Barriers | | N/A |
| 4.2.4.5 | Strength requirements | | N/A |
| 4.2.4.6 | Grip requirements | | P |
| 4.2.4.7 | Grasp requirements | | P |
| 4.2.5 | Finish of equipment | | P |
| 4.2.6 | Moving parts | | N/A |
| 4.2.7 | Protection against entrapment | | P |
| 4.2.7.1 | General | | P |
| 4.2.7.2 | Entrapment of the head and neck | | P |
| 4.2.7.3 | Entrapment of clothing/hair | | P |
| 4.2.7.4 | Entrapment of the whole body | | P |
| 4.2.7.5 | Entrapment of the foot or leg | | P |
| 4.2.7.6 | Entrapment of fingers | | P |
| 4.2.8 | Protection against injuries during movement and falling | | P |
| 4.2.8.1 | Determination of free height of fall | | P |
| 4.2.8.2 | Determination of spaces and areas | | P |
| 4.2.8.2.1 | General | | P |

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| Absatz Clause | Anforderungen - Prüfungen / Requirements - Tests | Messergebnisse – Bemerkungen/ Measuring results - Remarks | Ergebnis Result |
| 4.2.8.2. 2 | Minimum space | | P |
| 4.2.8.2. 3 | Free space | | P |
| 4.2.8.2. 4 | Extent of the impact area | | P |
| 4.2.8.2. 5 | Extent of the falling space | | P |
| 4.2.8.3 | Protection against injuries in the free space for users undergoing a movement that is forced by the equipment | | P |
| 4.2.8.4 | Protection against injuries in the falling space | | P |
| 4.2.8.5 | Protection against injuries from the surface of the impact area | | P |
| 4.2.8.5. 1 | General | | P |
| 4.2.8.5. 2 | Equipment with a free height of fall greater than 600 mm or with forced movement | | P |
| 4.2.8.5. 3 | Equipment with a free height of fall not exceeding 600 mm and without forced movement | | N/A |
| 4.2.8.5. 4 | Adjacent platforms | | N/A |
| 4.2.8.6 | Protection against injuries due to other types of movement | | N/A |
| 4.2.9 | Means of access | | P |
| 4.2.9.1 | Ladders | | P |
| 4.2.9.2 | Stairs | | N/A |
| 4.2.9.3 | Ramps | | N/A |
| 4.2.9.4 | Steep play elements | | N/A |
| 4.2.9.5 | Easily accessible playground equipment | | N/A |
| 4.2.10 | Connections | | P |
| 4.2.11 | Consumable components | | N/A |
| 4.2.12 | Ropes | | N/A |
| 4.2.12. 1 | Ropes fixed at one end | | N/A |
| 4.2.12. 2 | Ropes fixed at both ends (climbing ropes) | | N/A |
| 4.2.12. 3 | Wire ropes | | N/A |
| 4.2.12. 4 | Sheathed wire ropes | | N/A |

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| Absatz Clause | Anforderungen - Prüfungen / Requirements - Tests | Messergebnisse – Bemerkungen/ Measuring results - Remarks | Ergebnis Result |
| 4.2.12. 5 | Fibre ropes (textile type) | | N/A |
| 4.2.13 | Chains | | N/A |
| 4.2.14 | Foundations | | N/T |
| 4.2.15 | Heavy suspended rigid beams | | N/A |
| 4.2.16 | Bouncing facilities | | N/A |
| 4.2.16. 1 | General | | N/A |
| 4.2.16. 2 | Enclosures of bouncing facilities | | N/A |
| 5 | Verification of compliance and reports | | |
| 5.1 | General | | P |
| 5.2 | Confirming the adequate level of impact attenuation after installation of impact attenuating surfacing | Not installation stage | N/A |
| 6 | Information to be provided by the manufacturer/supplier | | |
| 6.1 | Information to be provided by the manufacturer/supplier of playground equipment | | P |
| 6.1.1 | General product information | | P |
| 6.1.2 | Pre-information | | P |
| 6.1.3 | Installation information | | P |
| 6.1.4 | Inspection and maintenance information | | P |
| 6.2 | Information to be provided by the manufacturer or supplier of impact-attenuating surfacing | | P |
| 6.2.1 | Pre-information for impact attenuation surfacing | | P |
| 6.2.2 | Installation information for impact attenuating surfacing | | P |
| 6.2.3 | Inspection and maintenance information for impact attenuating surfacing | | P |
| 6.2.4 | Identification of impact attenuating playground surfacing | | P |
| 7 | Marking | | |
| 7.1 | Equipment identification | | P |
| 7.2 | Basic level mark | | N/A |
| / | Annex A Loads (normative) | | |
| / | Annex B Method of calculation of structural integrity (normative) | | |
| / | Annex C Physical testing of structural integrity (normative) | | |
| / | Annex D Test methods for entrapment (normative) | | |
| / | Annex E Overview of possible entrapment situations (informative) | | |

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| Absatz <i>Clause</i> | Anforderungen - Prüfungen / <i>Requirements - Tests</i> | Messergebnisse – Bemerkungen/ <i>Measuring results - Remarks</i> | Ergebnis <i>Result</i> |
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| / | Annex F Illustrations of calculation of free height of fall (FHF) (informative) | | |
| / | Annex G Illustration of sieve test (informative) | | |
| / | Annex H Procedure for confirming the adequate level of impact attenuation after installation of impact attenuating surfacing (normative) | | |
| / | Annex I A–deviations (informative) | | |

- End -