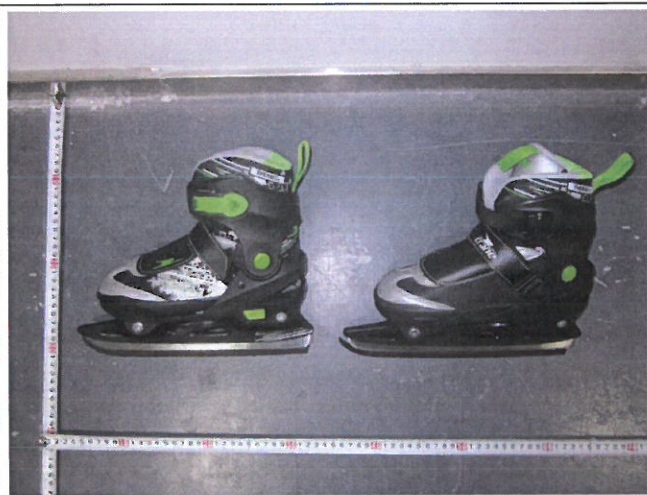


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Kunden-Referenz-Nr.: <i>Client Reference No.:</i>	N/A	Auftragsdatum: <i>Order date:</i>	01.04.2017	
Auftraggeber: <i>Client:</i>	Amula Enterprise Corp. No.1, 2 Yinfeng Street, Hengtang Management Zone, Tangxia Town Dongguan City, Guangdong Province P.R. China			
Prüfgegenstand: <i>Test item:</i>	Kids Adjustable Ice Skate			
Bezeichnung / Typ-Nr.: <i>Identification / Type No.:</i>	A9			
Auftrags-Inhalt: <i>Order content:</i>	Test report			
Prüfgrundlage: <i>Test specification:</i>	EN 15638:2009 Test clause 5.5 selected according to client's requirement			
Wareneingangsdatum: <i>Date of receipt:</i>	01.04.2017			
Prüfmuster-Nr.: <i>Test sample No.:</i>	A000522388-001			
Prüfzeitraum: <i>Testing period:</i>	01.04.2017 – 10.04.2017			
Ort der Prüfung: <i>Place of testing:</i>	Guangzhou			
Prüflaboratorium: <i>Testing laboratory:</i>	TÜV Rheinland (Guangdong) Ltd.			
Prüfergebnis*: <i>Test result*:</i>	Pass			
geprüft von / tested by:		kontrolliert von / reviewed by:		
11.04.2017	George Li / Engineer	11.04.2017	Luck Lu / Reviewer	
<i>Date</i>	<i>Name / Stellung</i>	<i>Date</i>	<i>Name / Stellung</i>	<i>Unterschrift</i>
Sonstiges / Other:				
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
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>				



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Test Report No.:

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Liste der verwendeten Prüfmittel
List of used test equipment

Prüfmittel <i>Test equipment</i>	Prüfmittel-Nr. / ID-Nr. <i>Equipment No. / ID-No.</i>	Nächste Kalibrierung <i>Next calibration</i>
Tape	1.124G	Initial calibration only
Calipers	1.076	17.06.2019
Digital balance	1.041F	17.06.2017
High and Low Temperature Testing Machine	1.270	07.08.2017

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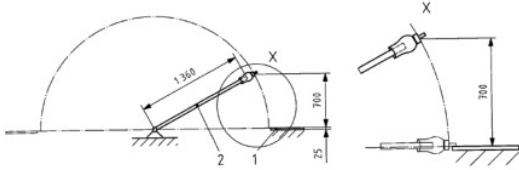
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Produktbeschreibung
Product description

1	Produktdetails <i>Product details</i>	Kids Adjustable Ice Skate
2	Maße / Gewicht <i>Dimensions / Weight</i>	273 × 110 × 232 mm / 1.33 kg (1 pair)
3	Bedienelemente <i>Operating elements</i>	N/A
4	Ausstattung / Zubehör <i>Equipment / Accessories</i>	N/A
5	Verwendete Materialien <i>Used materials</i>	Metal, fabric and plastic
6	Sonstiges <i>Other</i>	N/A

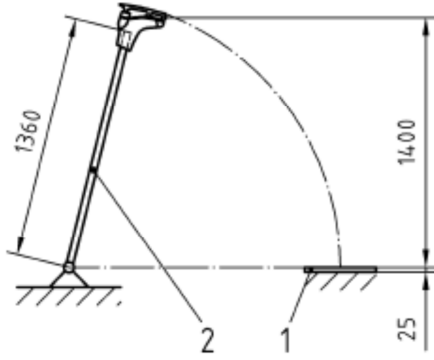
Product photo(s)



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Absatz Clause	EN 15638:2009 Anforderungen - Prüfungen / Requirements - Tests	Messergebnisse - Bemerkungen Measuring results - Remarks	Bewertung Evaluation
5	Testing		
5.1	<p>General</p> <p>Any requirements in this standard, for which no test method has been specified in Clause 5, shall be checked by measurement or by visual or tactile examination.</p> <p>Unless otherwise specified, the ice skates shall be conditioned and tested either at a temperature of (23 ± 2) °C and a relative humidity of (50 ± 5) % or at a temperature of (20 ± 2) °C and a relative humidity of (65 ± 5) %.</p>		
5.5	Resistance against impact loads		
5.5.1	<p>Conditioning</p> <p>The resistance test shall be carried out after the ice skate has been conditioned for at least 6 h at a temperature of $(- 20 \pm 1)$ °C. Testing shall start within 1 min after the ice skate has been removed from the conditioning environment and shall be concluded within 5 min.</p>		
5.5.2	<p>Lateral impact onto the blade</p> <p>The ice skate shall be impacted laterally with the entire runner and with an energy of (25 ± 2) J and an impact velocity of $(2,5 \pm 0,3)$ m/s onto a rubber plate of a hardness of (75 ± 2) Shore A and an absorbing surface of 300 mm x 50 mm, see for example Figure 4. The energy may be impacted either by pendulum, falling mass or falling ice skate.</p>  <p>Key 1 Rubber plate 2 Round steel of 25 mm diameter.</p> <p>Figure 4 – Lateral impact</p> <p>The type of suspension shall ensure that the energy is absorbed by the blade. The ice skate shall be positioned on a last in accordance with 5.3. It shall be tightened as close as is practical. The test specimen shall then be turned by (90 ± 1) °</p>	<p>Impact weight (include ice skate): 10.4 kg Height difference between initial centre of gravity and testing centre of gravity: 0.25 m Energy: 25.5 J Impact velocity: ca.2.5 m/s</p> <p>No loosening or detachment was detected after the test.</p>	P

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Absatz Clause	EN 15638:2009 Anforderungen - Prüfungen / Requirements - Tests	Messergebnisse - Bemerkungen Measuring results - Remarks	Bewertung Evaluation
5.5.3	<p>Frontal impact onto the blade tip and end</p> <p>The ice skate shall be impacted in the forward direction three times onto the front tip of the blade and three times onto the blade end with an energy of (50 ± 2) J and an impact velocity of $(4,0 \pm 0,4)$ m/s against a rubber plate of a hardness of (75 ± 2) Shore A and an absorbing surface of 300 mm x 50 mm, see for example Figure 5. The energy may be impacted either by pendulum, falling mass or falling ice skate.</p>  <p>Key 1 Rubber plate 2 Round steel of 25 mm diameter.</p> <p>Figure 5 – front impact</p> <p>The type of suspension shall ensure that the energy is absorbed by the blade. The ice skate shall be positioned on a last in accordance with 5.3. It shall be tightened as close as is practical.</p>	<p>Impact weight (include ice skate): 10.4 kg Height difference between initial centre of gravity and testing centre of gravity: 0.5 m Energy: 50 J Impact velocity: ca.3.6 m/s</p> <p>No loosening or detachment was detected after the test.</p>	<p>P</p>

Remark:

This test report documents the findings of examination conducted on the delivered product stated on page 1. It does not entitle to carry any safety mark on this or similar product(s). Further for sales or other application purposes of the test report, any reference to TÜV Rheinland or a test through TÜV Rheinland is only permissible with prior written consent of TÜV Rheinland.

*** End of test report ***