

Test Report No.: 64.199.25.0955.01-00
Dated: 2026-01-16



中国认可
国际互认
检测
TESTING
CNAS L3584



Applicant: Huizhou Lanova Outdoor Products Co., Ltd.
Address: New Century Industrial Park, Shenli Village, Yuanzhou Town, Boluo County, Huizhou City.
Sample Submission: The sample was submitted by applicant and identified.
Product Name: Bicycle helmet
Identification/Style No.: W-079
Product size: S:51-54cm, M:55-58cm, L:59-61cm
Factory: Huizhou Lanova Outdoor Products Co., Ltd.
Address: New Century Industrial Park, Shenli Village, Yuanzhou Town, Boluo County, Huizhou City.
Country of Origin: China
Export to: /
Receipt Date of Sample: 2025-12-18 , Resubmission sample: 2026-01-04, 2026-01-12
Date of Testing: From 2025-12-19 to 2026-01-16
Test Result: Refer to the data listed in following pages

Test Specification(s) or Test Item(s):

1. EN 1078:2012+A1:2012

Conclusions:

Pass

Hardline Laboratory

TÜV SÜD Certification and Testing (China) Co., Ltd. Guangzhou Branch

Tested By:

Mac Xiao
Test Engineer

Reviewed By:

Adam Hou
Designated Reviewer



Note:

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- (2) The results relate only to the Items tested.
- (3) The test report shall not be reproduced except in full, without the written approval of the laboratory.

Laboratory:
B1/F. of Building A2, Building D1, No.63,
Chuangqi Road, Shilou, Panyu District,
Guangzhou, Guangdong, China 511447

Telephone : +86 20 3832 0668
Telefax : +86 20 3832 0478
<http://www.tuvsud.com>

Regd. Office:
TÜV SÜD Certification and Testing (China) Co., Ltd.
Guangzhou Branch 5F, Communication Building,
163 Pingyun Rd, Huangpu West Ave. Guangzhou
510656P.R. China

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Description of the test subject:

1	Product Description	Product name: Bicycle helmet Product size: S:51-54cm, M:55-58cm, L:59-61cm
Sample photo(s)		
		
Size: S & M		Size: L



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Test condition: 22.0°C 55%RH

Test Results:

Section1 – Test conducted: EN 1078:2012+A1:2012: Helmets for pedal cyclists and for uses of skateboards and roller skates

Number of samples tested: Four (4) pieces for size: 51-54cm, Four (4) pieces for size: 55-58cm, Four (4) pieces for size: 59-61cm

Helmets size: 51-54cm, 55-58cm, 59-61cm

Test headform(EN960:2006): 535mm, 575mm, 605mm

Clause	Test Items	Result
4.1	<p>Materials</p> <p>For those parts of the helmet coming into contact with the skin, the material used should be known not to undergo appreciable alteration from contact with sweat or with substances likely to be found in toiletries.</p> <p>Materials shall not be used which are known to cause skin disorders.</p>	<p>P[^]</p> <p>(Refer to report: 68.418.25.9144.01, 68.418.26.9004.01& section 2)</p>
4.2	<p>Construction</p> <p>The helmet normally consists of a means of absorbing impact energy and means of retaining the helmet on the head in an accident.</p> <p>The helmet should be durable and withstand handling. The helmet shall be so designed and shaped that parts of it (visor, rivets, ventilators, edges, fastening device and the like) are not likely to injure the user in normal use.</p> <p>NOTE Helmets should:</p> <ul style="list-style-type: none"> - have low weight; - be ventilating; - be easy to put on and take off; - be usable with spectacles; - not significantly interfere with the ability of the user to hear traffic noise; 	<p>P</p>
4.3	<p>Field of vision</p> <p>When tested in accordance with 5.7 there shall be no occultation in the field of vision bounded by angles as follows (see Figure 1):</p> <ul style="list-style-type: none"> - horizontally 105° from the longitudinal vertical median plane to the left and right hand sides; - upwards 25° from the reference plane; - downwards 45° from the basic plane. 	<p>P</p> <p>(Horizontally: >105° Upward: >25° Downwards: >45°)</p>

Clause	Test Items	Result
	<p>a) Section of headform in longitudinal vertical plane</p> <p>b) Section of headform in reference plane</p> <p>Figure 1</p>	
4.4	<p>Shock absorbing capacity</p> <p>The helmet shall give protection to the forehead, rear, sides, temples and crown of the head.</p> <p>When tested in accordance with 5.3 and 5.4 the peak acceleration shall not, for each impact, exceed 250 g for the velocity of 5,42 0 +0,1, m/s on the flat anvil, and 4,57 0 +0,1 m/s on the kerbstone anvil.</p>	P (See appendix)
4.5	<p>Durability</p> <p>After being tested the helmet shall not exhibit damage that could cause significant injury to the wearer (sharp edges, points).</p>	P
4.6	<p>Retention system</p>	
4.6.1	<p>General</p> <p>Means shall be provided for retaining the helmet on the wearer's head. All parts of the retention system shall be securely attached to the helmet.</p>	P
4.6.2	<p>Chin strap</p> <p>The chin strap shall not include a chin cup. Any chin strap shall be no less than 15 mm wide. Chin straps may be fitted with means of enhancing comfort for the wearer.</p>	P (Width: 16.0mm)
4.6.3	<p>Fastening device</p> <p>Any retention system shall be fitted with a device to adjust and maintain tension in the system. The device shall be capable of adjustment so that the buckle does not sit on the jaw bone.</p>	P
4.6.4	<p>Colour</p> <p>No part of the retention system shall be coloured green.</p>	P (Colour: Black)
4.6.5	<p>Strength</p> <p>When tested in accordance with 5.5, the dynamic extension of the retention system shall not exceed 35 mm and the residual extension shall not exceed 25 mm. For this purpose, extension includes slippage of the fastening device.</p>	P (See Appendix)



Clause	Test Items	Result
	Damage to the retention system shall be accepted provided that the above requirements are met.	
4.6.6	Effectiveness When tested in accordance with 5.6 the helmet shall not come off the headform.	P (See Remark 2)
4.6.7	Ease of release Following the strength test in accordance with 5.5 and with the load still applied, it shall be possible to open the release system with one hand.	P
5.2	Inspection and determination of mass Inspect the helmet to ascertain whether it is suitable for its intended purpose and fulfils the general requirements in 4.2. Determine the mass of the helmets of the same size submitted for testing. Calculate and record the mean value in g rounded off to the nearest 10 g, stating the size of the helmet.	P (See appendix)
6	Marking Each helmet shall be marked in such a way that the following information is easily legible by the user and is likely to remain legible throughout the life of the helmet: a) number of this European Standard; b) name or trademark of the manufacturer; c) designation of the model; d) designation, which shall be one or more of the following: Helmet for pedal cyclists, skateboarders or roller skaters; e) size or size range of the helmet, quoted as the circumference (in centimetres) of the head which the helmet is intended to fit; f) weight of the helmet (the average mass in grams determined according to 5.2); g) year and quarter of manufacture; h) following text: "Warning! This helmet should not be used by children while climbing or doing other activities when there is a risk of strangulation/hanging if the child gets trapped with the helmet." In addition, if the helmet has components made of material which are known to be adversely affected by contact with hydrocarbons, cleaning fluids, paints, transfers or other extraneous additions, the helmet shall carry an appropriate warning.	P
	If there is a consumer sales packaging, the information specified in a), b), d) and h) shall also be given on that package. The text shall be of minimum font size 12.	N/A
7	Information supplied by the manufacturer With every helmet, clear information in the language of the country of sale shall be given as follows: a) that the helmet can only protect if it fits well and that the buyer should try different sizes and choose the size which feels secure and comfortable on the head; b) that the helmet should be adjusted to fit the user, e.g. the straps positioned so that they do not cover the ears, the buckle positioned	P



Clause	Test Items	Result
	away from the jawbone and the straps and buckle adjusted to be both comfortable and firm; c) how the helmet should be positioned on the head to ensure the intended protection is provided (e.g. hat it should be placed so as to protect the forehead and not be pushed too far over the back of the head); d) that a helmet cannot always protect against injury; e) that a helmet subjected to a severe impact should be discarded and destroyed; f) a statement of the danger of modifying or removing any of the original component parts of the helmet other than as recommended by the manufacturer, and that helmets should not be adapted for the purpose of fitting accessories in a way not recommended by the manufacturer.	

Abbreviation: P=Pass; F=Fail; N/A = Not Applicable; N/T=Not Tested as per client's request

Appendix:

Clause 5.2 – Inspection and determination of mass

Size: 51-54cm

Sample No.	Color	Mass (g)
1	Black	242.0
2	Black	248.1
3	Black	246.3
4	Black	247.8
Average(rounded off to nearest 10g)		246.0(250)

Size: 55-58cm

Sample No.	Color	Mass (g)
1	Black	265.3
2	Black	266.7
3	Black	266.1
4	Black	265.0
Average(rounded off to nearest 10g)		265.8(270)

Size: 59-61cm

Sample No.	Color	Mass (g)
1	Black	285.4
2	Black	293.8
3	Black	288.9
4	Black	283.5
Average(rounded off to nearest 10g)		287.9(290)

Clause 4.4–Shock absorbing capacity

Size: 51-54cm/ Test headform: 535mm

Sample No.	Conditioning	Test anvil	Location Impact	Velocity (m/s)	Peak acc. (g)	Result
1	Hot	Kerbstone	Right	4.62	107.3	Pass
		Flat	Left rear	5.48	165.6	Pass

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2	Low	Flat	Crown	5.45	180.6	Pass
		Kerbstone	Front	4.63	99.4	Pass
3	Artificial ageing	Kerbstone	Rear	4.66	95.0	Pass
		Flat	Left	5.48	170.8	Pass

Size: 55-58cm/ Test headform: 575mm

Sample No.	Conditioning	Test anvil	Location Impact	Velocity (m/s)	Peak acc. (g)	Result
1	Hot	Kerbstone	Right	4.64	100.4	Pass
		Flat	Rear	5.47	126.8	Pass
2	Low	Flat	Right	5.48	173.2	Pass
		Kerbstone	Front	4.65	92.0	Pass
3	Artificial ageing	Kerbstone	Left	4.67	166.6	Pass
		Flat	Right front	5.48	144.4	Pass

Size: 59-61cm/ Test headform: 605mm

Sample No.	Conditioning	Test anvil	Location Impact	Velocity (m/s)	Peak acc. (g)	Result
1	Hot	Kerbstone	Right	4.61	169.8	Pass
		Flat	Left	5.45	178.2	Pass
2	Low	Flat	Right rear	5.46	156.2	Pass
		Kerbstone	Front	4.59	103.8	Pass
3	Artificial ageing	Kerbstone	Left rear	4.66	102.7	Pass
		Flat	Crown	5.52	145.8	Pass

Clause 4.6.5–Retention system strength

Size: 51-54cm/ Test headform: 535mm

Sample No.	Dynamic extension (mm)	Residual extension (mm)	Result
2	17.1	13.4	Pass
3	20.5	13.0	Pass

Size: 55-58cm/ Test headform: 575mm

Sample No.	Dynamic extension (mm)	Residual extension (mm)	Result
2	15.4	11.9	Pass
3	26.4	11.2	Pass

Size: 59-61cm/ Test headform: 605mm

Sample No.	Dynamic extension (mm)	Residual extension (mm)	Result
2	21.6	14.0	Pass
3	23.1	9.1	Pass




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Photos for reference:




Front view	
Side view	
Back view	

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Top view	
Bottom view (S)	
Bottom view (M & L)	

<p>Test line (Size: 51-54cm/ Test headform: 535mm)</p>	
<p>Test line (Size: 55-58cm/ Test headform: 575mm)</p>	
<p>Test line (Size: 59-61cm/ Test headform: 605mm)</p>	



<p>Label</p>	<p>N A M E : Bicycle helmet MODEL : W-079 S I Z E : 51-54cm WEIGHT : ca.250g Production Date:Oct,1th,2025 MADE IN CHINA</p> <p>S CE EN 1078:2012+A1:2012</p>	<p>N A M E : Bicycle helmet MODEL : W-079 S I Z E : 55-58cm WEIGHT : ca.270g Production Date:Oct,1th,2025 MADE IN CHINA</p> <p>M CE EN 1078:2012+A1:2012</p>
<p>Instruction</p>	<div data-bbox="576 483 903 607"> <p>N A M E : Bicycle helmet MODEL : W-079 S I Z E : 59-61cm WEIGHT : ca.290g Production Date:Oct,1th,2025 MADE IN CHINA</p> <p>L CE EN 1078:2012+A1:2012</p> </div> <div data-bbox="911 483 1254 607"> <p>WARNING High-quality protective helmet for pedal cyclists, skateboarders or roller skaters. This helmet is not for motor vehicles use. Warning! This helmet should not be used by children while climbing or doing other activities when there is a risk of incapacitation/falling if the child gets trapped with the helmet. For maximum protection the helmet must fit snugly and the chin strap should be comfortably tight against the throat. Make sure buckles are properly and fully fastened (secured). Do not wear the helmet after it has been involved in any accident even if damaged is not visible. Do not store your helmet in high temperatures or direct sunlight. Do not use aggressive solvents or cleaning agents, only use mild soap and water to clean. Always read the owner's manual before use. Manufacturer: Huizhou Landoia Outdoor Products Co., Ltd. Manufacturer: New Century Industrial Park, Sheen Village, Yuanzhou Town, Boluo County, Huizhou City. Made in China</p> </div> <div data-bbox="576 629 903 1055"> <p>HELMET OWNER'S MANUAL Bike Helmet Instruction W-079</p> </div> <div data-bbox="911 629 1254 1055"> <p>ABOUT THE LIMITS OF THE BIKE HELMET The helmet will not protect against injury in all types of accidents, even while wearing a helmet, low speed accident may result in serious head injury or death. Because every accident scenario is different, it is impossible to know whether use of a helmet will provide partial or complete protection. Studies have shown that you are better off with a helmet than without one. A helmet does not protect what it doesn't cover, and as noted it may not protect what it does cover. A helmet will not protect against injuries to the spine, neck, or face.</p> <p>ANNOUNCEMENTS</p> <ol style="list-style-type: none"> 1. For your safety, the safety buckle should be buckled up when you are using the helmet. 2. Before and after use, the helmet should be checked if it has any signs of wear and tear and it's extent of damage. 3. Do not modify helmet or its attachments. 4. Use only mild soap, water and non-abrasive cloth to clean shell, pads and retention system. 5. Use of organic chemicals and cleaning solvents can cause unseen damage to the helmet. 6. Exposure to extreme temperatures can cause unseen damage to the helmet. 7. If a proper fit cannot be achieved do not wear the helmet. 8. The helmet is recommended to be replaced after 3 years of normal use. </div> <div data-bbox="576 1077 903 1494"> <p>WEARING TO FIT THIS HELMET</p> <p>1. Size—Measure your head for approximate size. Try the helmet on to ensure it fits comfortably. While it is sitting flat on top of your head, make sure the helmet doesn't rock side to side.</p> <div data-bbox="592 1133 887 1223"> <p>WRONG WAY RIGHT WAY</p> </div> <p>2. Position—The helmet should sit level on your head and low on your forehead -one or two finger-width above your eyebrow.</p> <p>3. Adjustable fit system, turn the dial to adjust the tightness.</p> <p>4. Straps—Should from a "V" under, and slightly in front of ears. Lock the slider if possible.</p> <p>5. Buckles—Center the buckles under chin and lock sliders.</p> <p>6. Make sure the loose end of the strap passes through the rubber "O" ring. If it does not, the strap may slide loose and the helmet can come off accidentally.</p> <p>7. Chin Strap—Buckle your chin strap. Tighten the strap until it is snug, so that no more than one or two fingers fit under the strap.</p> </div> <div data-bbox="911 1077 1254 1494"> <p>WARNING ▲</p> <ol style="list-style-type: none"> 1. This helmet is designed for pedal cyclists and skateboarders or roller skaters. Not designed for motor sport use. 2. Not designed for multiple impact use. Impact can cause unseen damage to the helmet. 3. The helmet subjected to a severe impact should be discarded and destroyed. 4. For maximum protection, this helmet must be fitted and attached properly to the wearer's head in accordance with the following instruction. If after adjustment the helmet does not fit properly, do not use the helmet. Return to the retailer. <p>This helmet is in conformity with the regulation(EU) 2016/425 Certified(CE) by European standard test. Test standard:EN 1078:2012+A1:2012.</p> <div data-bbox="927 1267 1238 1335"> <p>EU type examination conducted by TUV SUD DANMARK ApS Johanne Møllers Passage 1, 3. sal, 1799 Copenhagen V, Denmark Notified Body No. 244</p> </div> <p>Manufacturer: HUIZHOU LANDOIA OUTDOOR PRODUCTS CO., LTD. Address : New Century Industrial Park, Sheen Village, Yuanzhou Town, Boluo County, Huizhou City.</p> <p>CE</p> </div>	



Section 2. Color Fastness to Perspiration

Test method: With reference to ISO 105 E04:2013.

Test item	Result [grade]						Client's Requirement
	Sample 001		Sample 002		Sample 003		
	Acid	Alkaline	Acid	Alkaline	Acid	Alkaline	
Color Change	4-5	4-5	4-5	4-5	4-5	4-5	≥4
Color staining							≥4
-Acetate	4-5	4-5	4-5	4-5	4-5	4-5	
-Cotton	4-5	4-5	4-5	4-5	4-5	4-5	
-Polyamide	4-5	4-5	4-5	4-5	4-5	4-5	
-Polyester	4-5	4-5	4-5	4-5	4-5	4-5	
-Acrylic	4-5	4-5	4-5	4-5	4-5	4-5	
-Wool	4-5	4-5	4-5	4-5	4-5	4-5	

Note:

– Explanation for grade

Grade 5 = No change

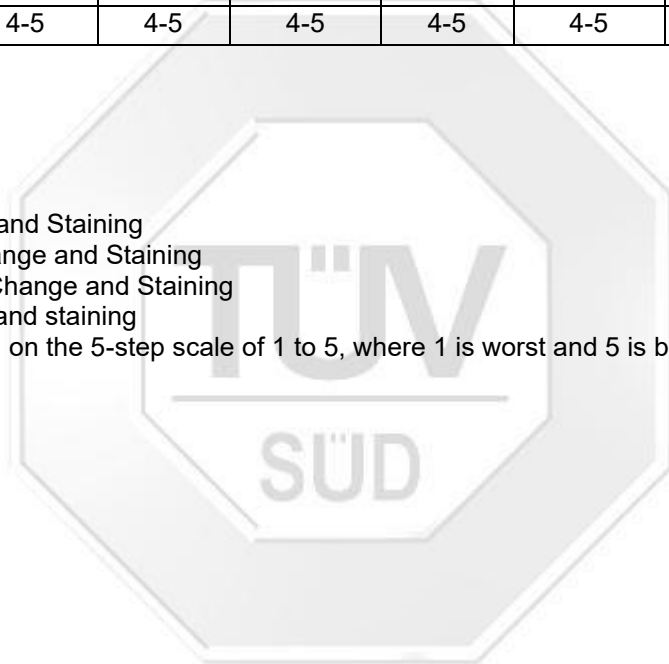
Grade 4 = Slight Change and Staining

Grade 3 = Noticeable Change and Staining

Grade 2 = Considerable Change and Staining

Grade 1 = Much Change and staining

Grey scale rating is based on the 5-step scale of 1 to 5, where 1 is worst and 5 is best.



List of Materials as identified by the Laboratory:

T. No.	Sample No.	Colour and Description	Photograph
T1	001	Black fabric cloth (Polyester)	
T2	002	Black fabric strap (Polyester)	
T3	003	Black webbing (Polyester)	

Remark:

1. The test results exclusively based on the submitted sample.
2. Retest sample was received on 2026-01-04 after modifying by client. And the result based on the retest sample.
3. Only the English version of label & instruction was checked.
4. "A" denotes the test item is not in accredited scope of our own laboratory (Registration No. CNAS L3584). It was subcontracted to an accredited laboratory with CNAS certificate, and the report is 68.418.25.9144.01 with CNAS certificate No. CNAS L4287 which was issued at 2025-12-25 & 68.418.26.9004.01 with CNAS certificate No. CNAS L4287 which was issued at 2026-01-15.

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5. Specific requirement of test report as per clause 7.8.3 of CNAS-CL01-2018 or other accreditation scheme, such as: remark of subcontract information or on-site testing information.

Disclaimer Measurement Uncertainty:

Unless otherwise agreed upon, Pass or Fail verdicts are given based on the measured values without any considerations of measurement uncertainties.

Please note, every test method has a measurement uncertainty which has been evaluated by the laboratory according to ISO/IEC 17025 requirements.

By taking measurement uncertainties into account it might happen that measured values can neither be assessed as PASS nor as FAIL.

-End of Test Report-

