



Test Report

Number: SZHH01310001

Applicant: YUEYANG SPOR SPORTING GOODS CO., LTD
JING MING ROAD, JUNSHANDISTRICT,
YUEYANG CITY, HUNAN, CHINA

Date: Dec 07, 2018

Attn: ZHAO WEI

Sample Description:

Four (4) pieces of submitted sample said to be:

Item Name : **Bicycle Helmet.**
Item No. : **ZH-002.**
Size : XS (44-50)CM, S (48-52)CM.
Helmet Size Scope per Model : XS (44-50)CM, S (48-52)CM.
Materials for Helmet : Shell
Liner
Manufacturer : YUEYANG SPOR SPORTING GOODS CO., LTD
Country of Origin : China.
Date Sample Received : Nov 14, 2018



To be continued

Authorized by:
For Intertek Testing Services
Shenzhen Ltd.



Michael, Zhang Jian
Title: Manager
CNAS Approved Signatory





中国认可
国际互认
检测
TESTING
CNAS L0327

Test Report

Number: SZHH01310001

Tests conducted:

As requested by the applicant, refer to attached page(s) for details.

Conclusion:

Tested sample
Submitted helmets

Standard
EN 1078:2012+A1: 2012 Standard Specification for Helmets
Worn by Users of Pedal Cycles, Skateboards and Roller Skates

Result
Pass

Authorized by:
For Intertek Testing Services
Shenzhen Ltd.



Michael, Zhang Jian
Title: Manager
CNAS Approved Signatory





Test Report

Number: SZHH01310001

Tests Conducted

1 Standard Specification for Helmets Worn by Users of Pedal Cycles, Skateboards and Roller Skates

As per EN 1078:2012+A1:2012: standard specification for helmets worn by uses of pedal cycles, skateboards and roller skates.

Number of samples tested: Four (4) sets for size 44-50cm; four (4) sets for size 48-52cm

Helmets size: 44-50cm; 48-52cm

Test headform: A

Clause	Test Items	Result
4.1	Materials 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. Materials shall not be used which are known to cause skin disorders.	
4.2	Construction The helmet normally consists of a means of absorbing impact energy and means of retaining the helmet on the head in an accident. 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. NOTE Helmets should: - 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
4.3	Field of vision 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 in EN 1078:2012+A1:2012): -horizontally: min. 105° from the longitudinal vertical median plane to the left and right hand sides; -upwards: min. 25° from the reference plane; -downwards: min. 45° from the basic plane.	P (Horizontally: >105° Upwards: >25° Downwards >45°)
4.4	Shock absorbing capacity The helmet shall give protection to the forehead, rear, sides, temples and crown of the head. 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 (+0.1, 0), m/s on the flat anvil, and 4,57 (+0.1, 0)m/s on the kerbstone anvil. NOTE These are theoretically equivalent to 1 497 mm and 1 064 mm drop heights respectively.	P (See appendix)





Test Report

Number: SZHH01310001

Tests Conducted

Clause	Test Items	Result
4.5	Durability After being tested the helmet shall not exhibit damage that could cause significant injury to the wearer (sharp edges, points).	P (No damage & significant injury)
4.6	Retention system	
4.6.1	General 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
4.6.2	Chin strap The chin strap shall not include a chin cup. Any chin strap shall be no less than 15 mm wide (W). Chin straps may be fitted with means of enhancing comfort for the wearer.	P (W: 15.2 mm)
4.6.3	Fastening device 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
4.6.4	Colour No part of the retention system shall be coloured green. NOTE It is recommended that the opening mechanism be marked with red or orange colour.	P (Black)
4.6.5	Strength 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. Damage to the retention system shall be accepted provided that the above requirements are met. NOTE In this test, slippage of the fastening device can be measured and recorded separately from other contributions to the extension but this is for information only and is not subject to a separate requirement.	P (See appendix)
4.6.6	Effectiveness When tested in accordance with 5.6 the helmet shall not come off the headform.	P (Did not come off)
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)





Test Report

Number: SZHH01310001

Tests Conducted

Clause	Test Items	Result
6	<p>Marking</p> <p>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:</p> <p>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 centimeters) 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:</p> <p>"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."</p> <p>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>	P
	<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.</p>	NA





Test Report

Number: SZHH01310001

Tests Conducted

Clause	Test Items	Result
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 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.	P

Abbreviation: P = Pass; NA = Not Applicable

Appendix:

Section 5.2 – Inspection and determination of mass

Size: 44-50cm

Sample No.	Mass (g)
1	172.5
2	172.2
3	174.0
4	172.8
Average(rounded off to nearest 10g)	172.8(170)

Size: 48-52cm

Sample No.	Mass (g)
1	198.7
2	200.2
3	203.7
4	192.7
Average(rounded off to nearest 10g)	198.8(200)





Test Report

Number: SZHH01310001

Tests Conducted

Section 4.4–Shock absorbing capacity
Ambient temperature at time of test: 21.3°C
Size: 44-50cm/Test headform: A

Sample No.	Environment Impact	Test anvil	Location Impact	Velocity (m/s)	Peak (Gn)	Compliant
1	High	Kerbstone	Front	4.61	152.1	Pass
		Flat	Left	5.42	170.2	Pass
2	Low	Flat	Crown	5.43	188.1	Pass
		Kerbstone	Rear	4.64	164.9	Pass
3	Artificial ageing	Kerbstone	Right rear	4.60	140.3	Pass
		Flat	Front	5.48	203.5	Pass

Size: 48-52cm/Test headform: A

Sample No.	Environment Impact	Test anvil	Location Impact	Velocity (m/s)	Peak (Gn)	Compliant
1	High	Kerbstone	Front	4.66	163.5	Pass
		Flat	Left	5.43	201.2	Pass
2	Low	Flat	Crown	5.42	190.9	Pass
		Kerbstone	Rear	4.58	182.6	Pass
3	Artificial ageing	Kerbstone	Left rear	4.61	133.1	Pass
		Flat	Front	5.49	190.3	Pass

Section 4.6.5–Retention system strength
Size: 44-50cm/Test headform: A

Sample No.	Dynamic extension (mm)	Residual extension (mm)	Compliant
2	11.1	8.8	Pass
3	27.1	14.8	Pass

Size: 48-52cm/Test headform: A

Sample No.	Dynamic extension (mm)	Residual extension (mm)	Compliant
2	22.7	9.4	Pass
3	12.8	10.5	Pass



Test Report

Number: SZHH01310001

Tests Conducted

Photos for reference:





Test Report

Number: SZHH01310001

Tests Conducted

Back view	
Top view	



Test Report

Number: SZHH01310001

Tests Conducted

<p>Bottom view</p>			
<p>Label</p>	<table border="1" style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> <p>Model:ZH-002 Size:XS (44-50)cm Weight:170g USE:Bicycle helmet Standard:EN1078:2012+A1:2012</p> <p style="text-align: center;">CE EN1078</p> <p><small>Manufactured by Yuyang Spor Sporting Goods Co., Ltd Add:Jing Ming Road, JunshanDistrict, Yuyang City, Hunan,China</small></p> </td> <td style="width: 50%; vertical-align: top;"> <p>Model:ZH-002 Size:S (48-52)cm Weight:200g USE:Bicycle helmet Standard:EN1078:2012+A1:2012</p> <p style="text-align: center;">CE EN1078</p> <p><small>Manufactured by Yuyang Spor Sporting Goods Co., Ltd Add:Jing Ming Road, JunshanDistrict, Yuyang City, Hunan,China</small></p> </td> </tr> </table> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>WARNING: This helmet is intended for BICYCLING ONLY. Not for use with motor vehicles. 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. No helmet can protect against all possible impacts serious injury or death can occur. For maximum protection the helmet must be fitted and attached properly to the wearer's head in accordance with the manufacture's fitting instructions. This helmet may, after receiving an impact, be damaged to the point that is not longer adequate to protect the head against further impacts and this damage may not be visible to the user. If this helmet sustains an impact it should be returned to the manufacture for inspection or be destroyed and replaced This helmet can be damaged by contact with common substances such as ammonia bleach, petroleum product, or paints and this damage may not be visible to the user For cleaning, use only mild soapy water and wipe dry with a clean cloth Do not allow any solvents or chemicals to make any contact with this helmet Make no modifications. This product is made in China. Date of production:20 November 2018</p> </div>	<p>Model:ZH-002 Size:XS (44-50)cm Weight:170g USE:Bicycle helmet Standard:EN1078:2012+A1:2012</p> <p style="text-align: center;">CE EN1078</p> <p><small>Manufactured by Yuyang Spor Sporting Goods Co., Ltd Add:Jing Ming Road, JunshanDistrict, Yuyang City, Hunan,China</small></p>	<p>Model:ZH-002 Size:S (48-52)cm Weight:200g USE:Bicycle helmet Standard:EN1078:2012+A1:2012</p> <p style="text-align: center;">CE EN1078</p> <p><small>Manufactured by Yuyang Spor Sporting Goods Co., Ltd Add:Jing Ming Road, JunshanDistrict, Yuyang City, Hunan,China</small></p>
<p>Model:ZH-002 Size:XS (44-50)cm Weight:170g USE:Bicycle helmet Standard:EN1078:2012+A1:2012</p> <p style="text-align: center;">CE EN1078</p> <p><small>Manufactured by Yuyang Spor Sporting Goods Co., Ltd Add:Jing Ming Road, JunshanDistrict, Yuyang City, Hunan,China</small></p>	<p>Model:ZH-002 Size:S (48-52)cm Weight:200g USE:Bicycle helmet Standard:EN1078:2012+A1:2012</p> <p style="text-align: center;">CE EN1078</p> <p><small>Manufactured by Yuyang Spor Sporting Goods Co., Ltd Add:Jing Ming Road, JunshanDistrict, Yuyang City, Hunan,China</small></p>		



Test Report

Number: SZHH01310001

Tests Conducted



<p>Instruction</p>		<p>WARNING</p> <p>Do not use the helmet if the chin strap or buckle is damaged or if the helmet is cracked or deformed. Do not use the helmet if the interior padding is missing or if the helmet is otherwise damaged. Do not use the helmet if the manufacturer's instructions are not followed.</p>	<p>WARNING</p> <p>Do not use the helmet if the chin strap or buckle is damaged or if the helmet is cracked or deformed. Do not use the helmet if the interior padding is missing or if the helmet is otherwise damaged. Do not use the helmet if the manufacturer's instructions are not followed.</p>
<p>Final Check</p> <p>The important thing to remember is that the helmet should fit snugly. If it does not, it should be replaced. The straps should be positioned so that they do not cover the eyes and so that the helmet does not slide forward. The chin strap should be adjusted so that it is snug. The helmet should be worn at all times. All adjustments should be checked each time the helmet is worn. Adjustments should be checked at all times.</p> <p>Caring for your helmet</p> <p>Check the helmet regularly for wear and tear. The use of solvents, paint or other materials can cause damage to the helmet and make it difficult to wear or use. Wash the helmet out of extreme heat.</p> <p>Helmet will be damaged if exposed to temperatures exceeding 120°F. Dark vehicles and ultraviolet light can cause the helmet to fade. Do not use the helmet if it has been damaged. Do not use the helmet if it has been exposed to solvents. If damaged, helmets should be replaced or not used.</p>	<p>Important information</p> <p>This helmet is designed to absorb the energy of a fall by partially deforming on impact. It will lose its ability to absorb energy if it is damaged. If it is damaged, it should be replaced. Do not use the helmet if it is damaged. Do not use the helmet if it is otherwise damaged. Do not use the helmet if the manufacturer's instructions are not followed.</p> <p>Bicycle-sports helmets warning</p> <p>This bicycle-sports helmet is designed and intended exclusively for use while cycling, and other non-motorized sports. It is not intended for use while participating in motorized sports. The helmet does not provide the same level of protection as a motorcycle helmet. However, for maximum protection, the helmet must be correctly fastened.</p>	<div style="border: 1px solid black; padding: 5px;"> <p>BIKE-SPORTS SAFETY HELMET</p> <p>THIS HELMET EN1078:2012+A1:2013 HELMET STANDARDS</p> <p>IMPORTANT!</p> <p>PLEASE READ CAREFULLY BEFORE USING FOR YOUR HELMET</p> <p>www.amsportsline.com</p> </div>	



Test Report

Number: SZHH01310001

Tests Conducted



<p>Test line (Size: 44-50cm/Test headform: A)</p>	
<p>Test line (Size: 48-52cm/Test headform: A)</p>	



Test Report

Number: SZHH01310001

Tests Conducted

Impact sites #1	
Impact sites #2	

End of report

This report is made solely on the basis of your instructions and/or information and materials supplied by you. It is not intended to be a recommendation for any particular course of action. Intertek does not accept a duty of care or any other responsibility to any person other than the Client in respect of this report and only accepts liability to the Client insofar as is expressly contained in the terms and conditions governing Intertek's provision of services to you. Intertek makes no warranties or representations either express or implied with respect to this report save as provided for in those terms and conditions. We have aimed to conduct the Review on a diligent and careful basis and we do not accept any liability to you for any loss arising out of or in connection with this report, in contract, tort, by statute or otherwise, except in the event of our gross negligence or wilful misconduct.

