



Test Report

Number: SZHH01506141

Applicant: MEIZHOU SPOTON SPORTS EQUIPMENT
TECHNOLOGY CO., LTD
NO.1, LIANGNENG ROAD EAST, NO. 206
NATIONAL HIGHWAY, HIGH-TECH INDUSTRY
PARK, SHEJIANG TOWN, MEI COUNTY,
MEIZHOU CITY, GUANGDONG PROVINCE, CHINA
Attn: JASON

Date: Nov 20, 2020

Sample Description:

Four (4) pieces of submitted sample said to be :
Item Name : **Bike Helmet.**
Item/Model No. : **R05.**
Helmet Size : **XXS 45-50cm.**
Material for Helmet : Shell: PC
Liner EPS.
Country of Origin : China.
Date Sample Received : Oct 14, 2020 & Nov 04, 2020.
Testing Period : Oct 14, 2020 ~ Nov 20, 2020.





中国认可
国际互认
检测
TESTING
CNAS L0327

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Tests conducted:

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

Conclusion:

Tested samples
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.



Andy, Fu Bo
Title: Supervisor
CNAS Approved Signatory





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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.

Helmets size: 45-50cm

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°)





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Clause	Test Items	Result
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)
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: 15.5mm)
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)





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Clause	Test Items	Result
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)
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 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: "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.	NA





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Clause	Test Items	Result
7	<p>Information supplied by the manufacturer With every helmet, clear information in the language of the country of sale shall be given as follows:</p> <p>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;</p> <p>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;</p> <p>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);</p> <p>d) that a helmet cannot always protect against injury;</p> <p>e) that a helmet subjected to a severe impact should be discarded and destroyed;</p> <p>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>	P

Abbreviation : P = Pass; NA=Not applicable

Appendix:

Section 5.2 – Inspection and determination of mass

Sample No.	Mass (g)
1	239.1
2	240.5
3	240.4
4	235.7
Average(rounded off to nearest 10g)	238.9(240)



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Section 4.4—Shock absorbing capacity
Ambient temperature at time of test: 22.4 °C

Sample No.	Environment Impact	Test anvil	Location Impact	Velocity (m/s)	Peak (Gn)	Compliant
1	High	Kerbstone	Left	4.60	108.1	Pass
		Flat	Rear	5.49	213.6	Pass
2	Low	Flat	Right	5.49	233.4	Pass
		Kerbstone	Front	4.60	155.7	Pass
3	Artificial ageing	Kerbstone	Rear	4.64	151.1	Pass
		Flat	Front	5.47	241.5	Pass

Section 4.6.5—Retention system strength

Sample No.	Dynamic extension (mm)	Residual extension (mm)	Compliant
2	7.4	6.5	Pass
3	8.5	8.1	Pass

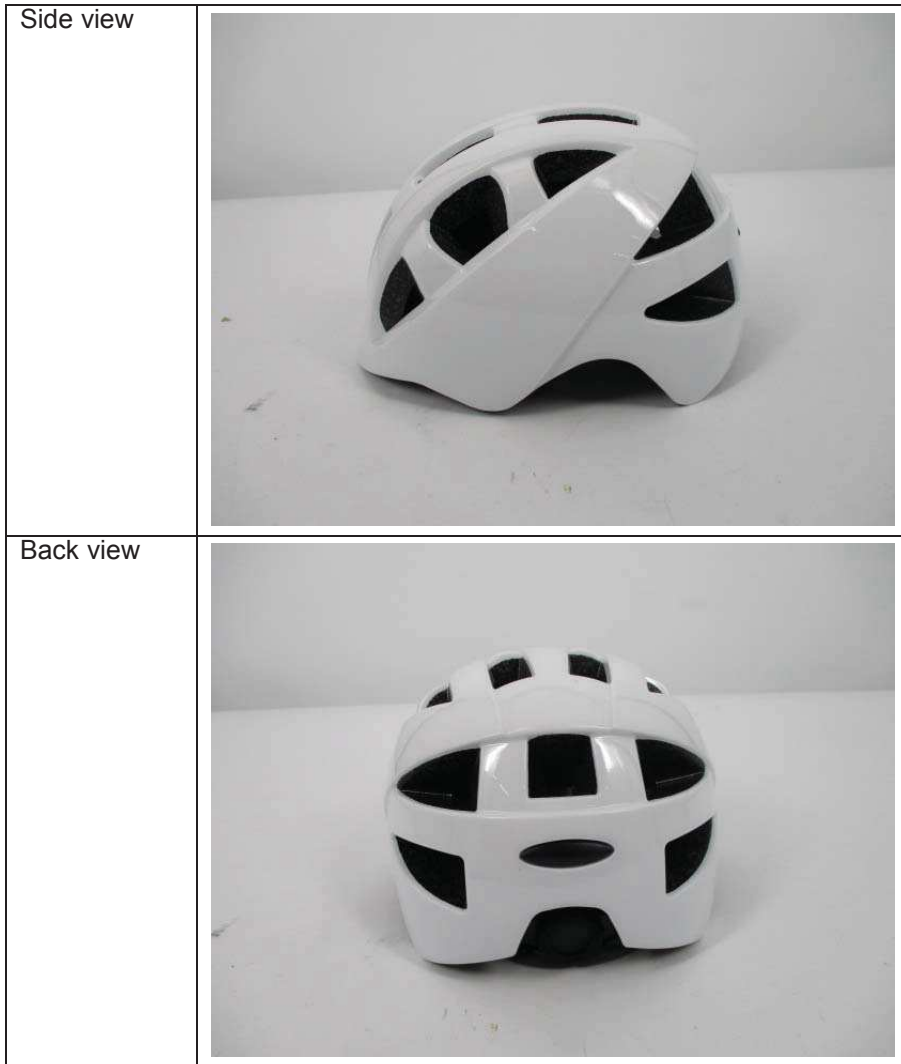
Photos for reference:



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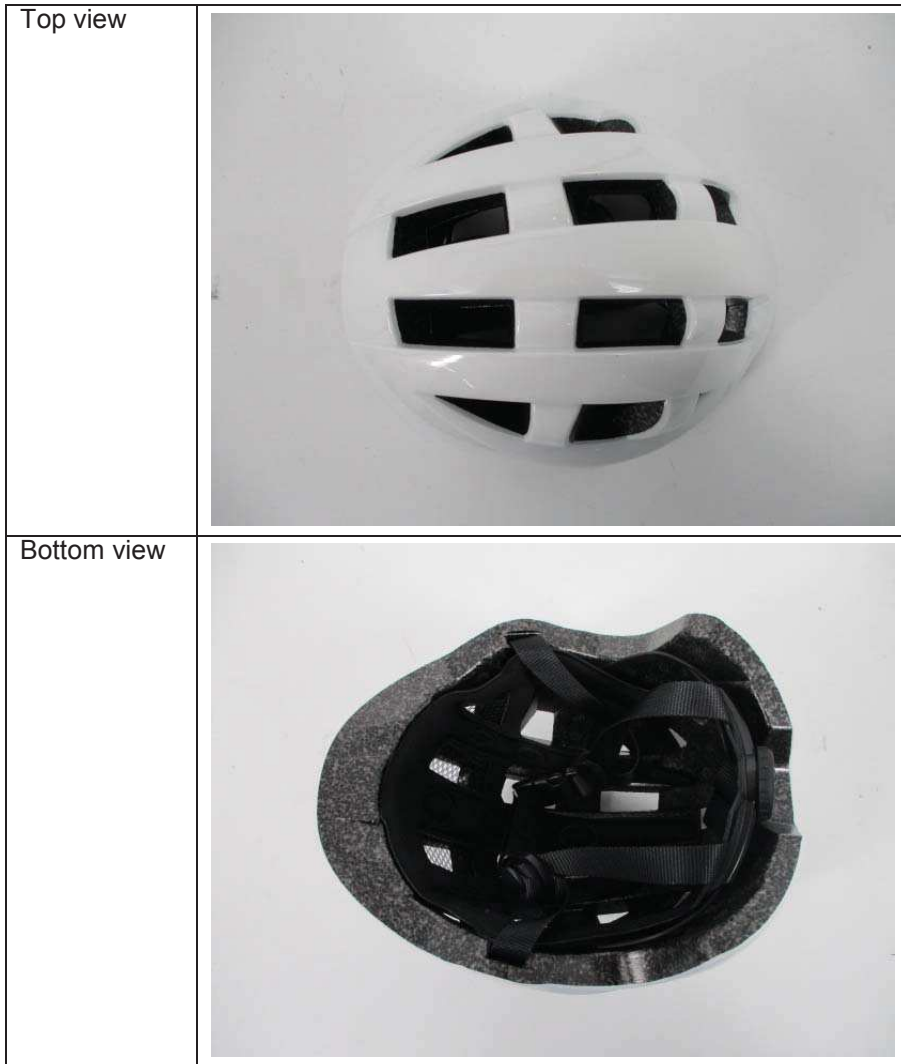
Tests Conducted



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<p>Label</p>	<div style="border: 1px solid black; padding: 10px;"> <p>Model No.: R05 Size: XXS 45-50cm Product weight: 240g This helmet is for riding a bicycle, skateboard and roller skate. EN 1078:2012+A1:2012 Manufacture date: 2020.06 Manufacture: Meizhou Spoton Sports Equipment Technology Co., Ltd Factory address: No. 1, Liangmeng Road East, No. 206 National Highway, high-tech Industry Park, Shejiang town, Mei County, Meizhou City, Guangdong Province, China Warning: 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> <div style="text-align: right; font-size: 2em; font-weight: bold;">CE</div> </div>
<p>Instruction</p>	<div style="border: 1px solid black; padding: 10px;"> <div style="background-color: black; color: white; text-align: center; padding: 5px;"> <p>MANUEL D'UTILISATION OWNERS MANUAL INSTRUKACJA OBSŁUGI دليل المستخدم</p> </div> <div style="display: flex; justify-content: space-between; align-items: flex-start; padding: 10px;"> <div style="width: 45%;"> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <p>EU type-examination for Regulation (EU)2016/425 by Institute B.V. (Eindhoven) Ltd. 9800 PR, Apeldoorn, Country: Netherlands Reference No.: 2020</p> </div> <div style="text-align: center;"> </div> <div style="text-align: center;"> </div> </div> <div style="width: 50%;"> <div style="text-align: center; margin-bottom: 10px;"> </div> <p style="font-size: 0.8em;">Ce manuel s'adresse aux cyclistes et aux utilisateurs de planches à roulettes et de patins à roulettes. Veuillez lire ce manuel attentivement avant d'utiliser votre nouveau casque en conformité avec la norme EN 1078:2012+A1:2012.</p> <p style="font-size: 0.8em;">This manual is for pedal cycle, skateboard and roller skate. Please read this manual carefully before using your new helmet conforms to EN 1078:2012+A1:2012.</p> <p style="font-size: 0.8em;">Instrukcja to przeznaczona jest dla użytkowników rowerów, skateboardów i hokejki. Przed użyciem nowego kasu prosimy uważnie przeczytać instrukcję produktu zgodny z EN 1078:2012+A1:2012.</p> <p style="font-size: 0.8em;">هذا الدليل هو لمن يستخدمون الخوذة ذات الدراجة وركوب الزلازل وركوب الجاه. يرجى قراءة هذا الدليل بعناية قبل استخدام الخوذة الجديدة. EN 1078:2012+A1:2012</p> <div style="text-align: right;"> </div> </div> </div> </div>



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	<p>UK HELMET CARE 9 TWÓJ KASK 1 PL</p> <p>CARING FOR YOUR HELMET Clean the helmet with mild soap and water only. The use of any hydrocarbons, cleaning fluids, paints or dyes can cause damage to the helmet and make it ineffective in the event of an accident. KEEP THE HELMET OUT OF EXTREME HEAT Helmet may be damaged if exposed to temperatures exceeding 50°C (122°F). Car, veranda and storage bags can exceed this on very hot days. Heat damaged helmets have reduced strength areas where the buckles operate usually and unless it is damaged, helmets should be destroyed and replaced immediately.</p> <p>WARNING 10</p> <p>IMPORTANT INFORMATION This helmet is designed to absorb the energy of a fall by partial penetration and damage. It is not intended for use where the helmet may not be used. If the helmet is damaged, it should not be used. If it is involved in a crash or other incident, it should be replaced. Any helmet that cannot be prevented by ANY helmet. Depending on the type of impact, even very low speeds can result in a serious head injury or fatality. Always ride with caution and be sure to read the manual throughout.</p> <p>This helmet is designed and intended exclusively for the use of road cycling, mountain biking and triathlon. It is not intended for use where it will not provide adequate safety protection if used during motor sport or motor use. No helmet can protect the wearer against all unforeseen impacts.</p> <p>However for maximum protection, the helmet must fit well and all retention straps must be correctly fastened. Do not modify or remove any of the original components of this helmet other than what is recommended by the manufacturer. This helmet should not be used by children while climbing or doing other activities when there is a risk of hanging if the child gets trapped with the helmet on.</p> <p>UKS PL1</p> <p>POKRETLÓ 2</p> <p>Kask kask na głowę. Przeznaczony jest do użytku w sportach rekreacyjnych, takich jak jazda na rowerze, jazda na rowerze górskim i triathlon. Nie należy używać kasku, jeśli jest uszkodzony. Jeśli kask został uszkodzony, należy go wymienić. Kask nie należy używać, jeśli jest uszkodzony. Kask nie należy używać, jeśli jest uszkodzony. Kask nie należy używać, jeśli jest uszkodzony.</p> <p>p10 p11</p>
<p>Test line</p>	



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Impact sites #1	
Impact sites #2	

End of report

The statements of conformity reported have considered the decision rule agreed, namely that Intertek have taken account of measurement uncertainty as calculated by Intertek, and applied according to ILAC-G8/09:2019 (Non-binary acceptance based on guard band $w = U$) except designation from the customer, regulation or test specification.

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