

SHENZHEN YOU YUN AN INTELLIGENT TECHNOLOGY CO., LTD
ROOM 706, 51 PINGXIN NORTH ROAD, SHANGMUGU COMMUNITY, PINGHU STREET, LONGGAN DISTRICT, SHENZHEN, CHINA

Sample Description : OUTDOOR INTELLIGENT HELMET
Item No. : S68B(M/L:55-59cm)
Country of Origin : CHINA

As above test item and its relevant information regarding to the submission are provided and confirmed by the applicant. SGS is not liable to either the test item or its relevant information, in terms of the accuracy, suitability, reliability or/and integrity accordingly.

Size : 55cm-59cm
HPI (from reference plane) : 16mm For J-ISO
Sample Receiving Date : Dec 01, 2020
Test Performing Date : Dec 01, 2020 to Dec 10, 2020
Test Performed : CPSC 16 CFR Part 1203
Test Result(s) : For further details, please refer to the following page(s)

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch



Arthur Mak
Authorized Signatory



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Test Conducted: Based on CPSC 16 CFR Part 1203 Safety Standard for Bicycle Helmets

Number of Tested Sample: 8 piece(s)

Test Results: Details shown as following table

Subpart A —The Standard

Clause	Test Item / Test Requirement / Test Method	Test Result
1203.5	Construction requirements – projections. Any unfaired projection extending more than 7 mm (0.28 in.) from the helmet’s outer surface shall break away or collapse when impacted with forces equivalent to those produced by the applicable impact-attenuation tests in § 1203.17 of this standard. There shall be no fixture on the helmet’s inner surface projecting more than 2 mm into the helmet interior.	Pass
	Labeling and instructions	
1203.6	(a) Labeling Each helmet shall be marked with durable labeling so that the following information is legible and easily visible to the user:	Pass
	(1) Model designation.	Pass
	(2) A warning to the user that no helmet can protect against all possible impacts and that serious injury or death could occur.	Pass
	(3) A warning on both the helmet and the packaging that for maximum protection the helmet must be fitted and attached properly to the wearer’s head in accordance with the manufacturer’s fitting instructions.	Pass
	(4) A warning to the user that the helmet may, after receiving an impact, be damaged to the point that it is no longer adequate to protect the head against further impacts, and that this damage may not be visible to the user. This label shall also state that a helmet that has sustained an impact should be returned to the manufacturer for inspection, or be destroyed and replaced.	Pass
	(5) A warning to the user that the helmet can be damaged by contact with common substances (for example, certain solvents [ammonia], cleaners [bleach], etc.), and that this damage may not be visible to the user. This label shall state in generic terms some recommended cleaning agents and procedures (for example, wipe with mild soap and water), list the most common substances that damage the helmet, warn against contacting the helmet with these substances, and refer users to the instruction manual for more specific care and cleaning information.	Pass
	(6) Signal word. The labels required by paragraphs (a) (2) through (5) of this section shall include the signal word “WARNING” at the beginning of each statement, unless two or more of the statements appear together on the same label. In that case, the signal word need only appear once, at the beginning of the warnings. The signal word “WARNING” shall be in all capital letters, bold print, and a type size equal to or greater than the other text on the label.	Pass



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Clause	Test Item / Test Requirement / Test Method	Test Result
	(b) Instructions	
	Each helmet shall have fitting and positioning instructions, including a graphic representation of proper positioning	Pass
1203.12	Test requirements	
	(a) Peripheral vision All bicycle helmets shall allow unobstructed vision through a minimum of 105° to the left and right sides of the mid-sagittal plane when measured in accordance with § 1203.14 of this standard.	Pass See annex 1
	(b) Positional stability No bicycle helmet shall come off of the test headform when tested in accordance with § 1203.15 of this standard.	Pass See annex 2
	(c) Dynamic strength of retention system All bicycle helmets shall have a retention system that will remain intact without elongating more than 30 mm (1.2 in.) when tested in accordance with § 1203.16 of this standard.	Pass See annex 3
	(d) Impact attenuation criteria (1) General. A helmet fails the impact attenuation performance test of this standard if a failure under paragraph (d)(2) of this section can be induced under any combination of impact site, anvil type, anvil impact order, or conditioning environment permissible under the standard, either with or without any attachments, or combinations of attachments, that are provided with the helmet. Thus, the Commission will test for a “worst case” combination of test parameters. What constitutes a worst case may vary, depending on the particular helmet involved. (2) Peak acceleration. The peak acceleration of any impact shall not exceed 300 g when the helmet is tested in accordance with § 1203.17 of this standard.	Pass See annex 4

Subpart B—Certification

1203.34	Product certification and labeling by manufacturers (including importers)	
(b)	Contents of certification label.	
	The certification labels required by this section shall contain the following:	Pass
	(1) The statement “Complies with U.S. CPSC Safety Standard for Bicycle Helmets for Persons Age 5 and Older” or “Complies with U.S. CPSC Safety Standard for Bicycle Helmets for Persons Age 1 and Older (Extended Head Coverage)”, as appropriate; this label may spell out “U.S. Consumer Product Safety Commission” instead of “U.S. CPSC”;	Pass
	(2) The name of the U.S. manufacturer or importer responsible for issuing the certificate or the name of a private labeler;	Pass
	(3) The address of the U.S. manufacturer or importer responsible for issuing the certificate or, if the name of a private labeler is on the label, the address of the private labeler;	Pass



	(4) The name and address of the foreign manufacturer, if the helmet was manufactured outside the United States;	Pass
	(5) The telephone number of the U.S. manufacturer or importer responsible for issuing the certificate or, if the name of a private labeler is on the label, the telephone number of the private labeler;	Pass
	(6) An identification of the production lot; and	Pass
	(7) The uncoded month and year the product was manufactured.	Pass
	Coding	
	(1) The information required by paragraphs (b) (4) and (b) (6) of this section, and the information referred to in paragraph (c) (2) of this section, may be in code, provided:	
(c)	(i) The person or firm issuing the certificate maintains a written record of the meaning of each symbol used in the code, and	NA
	(ii) The record shall be made available to the distributor, retailer, consumer, and Commission upon request.	
	(2) A serial number may be used in place of a production lot identification on the helmet if it can serve as a code to identify the production lot. If a bicycle helmet is manufactured for sale by a private labeler, and if the name of the private labeler is on the certification label, the name of the manufacturer or importer issuing the certificate, and the name and address of any foreign manufacturer, may also be in code.	
(d)	Placement of the label(s) The information required by paragraphs (b)(2), (b)(3), and (b)(5) of this section must be on one label. The other required information may be on separate labels. The label(s) required by this section must be affixed to the bicycle helmet. If the label(s) are not immediately visible to the ultimate purchaser of the bicycle helmet prior to purchase because of packaging or other marketing practices, a second label is required. That label shall state, as appropriate, "Complies with U.S. CPSC Safety Standard for Bicycle Helmets for Persons Age 5 and Older", or "Complies with U.S. CPSC Safety Standard for Bicycle Helmets for Persons Age 1 and Older (Extended Head Coverage)". The label shall be legible, readily visible, and placed on the main display panel of the packaging or, if the packaging is not visible before purchase (e.g., catalog sales), on the promotional material used with the sale of the bicycle helmet. This label may spell out "U.S. Consumer Product Safety Commission" instead of "U.S. CPSC."	Pass

Remark: 1. NA = Not applicable.
2. NT = Not tested as per client's request.



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Impact attenuation instrument system check:

Systems check	Trial drop	Drop Height (cm)	VEL. m/sec	Milliseconds at		
				Peak G	150 g	200 g
Pre-test	1	158.9	5.43	401.1	2.62	2.20
	2	158.7	5.41	401.3	2.61	2.21
	3	158.8	5.42	401.2	2.61	2.22
Pretest average		--	--	401.2	--	--
Post test	1	158.9	5.43	401.2	2.61	2.23
	2	158.8	5.42	401.1	2.62	2.21
	3	158.8	5.41	401.0	2.63	2.21
Post test average		--	--	401.1	--	--
Difference between pretest and post test averages				0.1g	Difference not to exceed 5%	

Model: S68B

Size: 55-59 cm

Headform: J ISO

HPI (from reference plane): 16 mm

Annex 1: Peripheral vision test

Test Specification: 16 CFR Ch.II (1-1-16 Edition) PART 1203.14

Ambient temperature at time of test: 21.0 °C

Condition	Horizontal vision	Result
Ambient No. 1	>105°	Pass

Annex 2: Positional stability test

Test Specification: 16 CFR Ch.II (1-1-16 Edition) PART 1203.15

Ambient temperature at time of test: 21.0 °C

Condition	Come off or not		Result
Ambient No. 5	From rear	Not come off	Pass
	From front	Not come off	Pass

Annex 3: Retention system strength

Test Specification: 16 CFR Ch.II (1-1-16 Edition) PART 1203.16

Ambient temperature at time of test: 21.0 °C

Condition	Elongation (mm)	Result
Ambient condition No.1	19.3	Pass
High temperature No.2	18.9	Pass
Low temperature No. 3	19.2	Pass
Water immersion No.4	19.5	Pass



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Annex 4: Impact energy attenuation test

Test Specification: 16 CFR Ch.II (1-1-16 Edition) PART 1203.17

Ambient temperature at time of test: 21.0 °C

Condition	Sample Mass (g)	Impact Loc.	Anvil	Vel.-m/sec	Peak'G	Result
Ambient Condition No.1	341	Left Front	Flat	6.24	170.2	Pass
		Left Rear	Flat	6.22	153.6	Pass
		Right Front	Hemispherical	4.75	151.7	Pass
		Right Rear	Hemispherical	4.82	93.2	Pass
High Temperature No.2	341	Front	Flat	6.20	167.8	Pass
		Rear	Flat	6.20	117.0	Pass
		Crown	Hemispherical	4.74	92.2	Pass
		Left	Hemispherical	4.78	139.3	Pass
Low Temperature No.3	347	Crown	Flat	6.19	209.7	Pass
		Left	Flat	6.18	179.7	Pass
		Front	Hemispherical	4.79	90.3	Pass
		Rear	Hemispherical	4.77	87.5	Pass
Water Immersion No.4	343	Crown	Flat	6.19	188.3	Pass
		Left	Flat	6.21	168.8	Pass
		Front	Hemispherical	4.77	89.9	Pass
		Rear	Hemispherical	4.78	187.8	Pass
Ambient Condition No.5	345	Front	Curbstone	4.75	127.9	Pass
High Temperature No.6	340	Crown	Curbstone	4.79	120.3	Pass
Low Temperature No.7	343	Left	Curbstone	4.79	104.6	Pass
Water Immersion No.8	346	Rear	Curbstone	4.82	93.2	Pass



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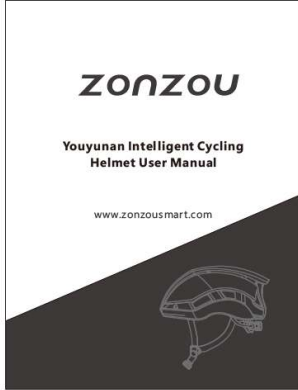





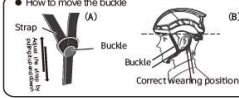



Sample Photo(s):

<p>Front view</p>	
<p>Side view</p>	



<p>Back view</p>	
<p>Top view</p>	



<p>Instruction</p>	<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;">  <p>ZONZOU Youyunan Intelligent Cycling Helmet User Manual www.zonzousmart.com</p> </div> <div style="width: 30%; border: 1px solid black; padding: 5px;"> <p style="text-align: center;">Warning</p> <p style="text-align: center;">Please read the user manual carefully before using the helmet</p> </div> <div style="width: 30%; border: 1px solid black; padding: 5px;"> <p style="text-align: right;">P01 Summary</p> <p>Scope of Application This helmet is suitable for cycling, skating, skateboarding, electric bicycle, self-balancing scooter and other non-motor vehicle sports. Not suitable for motorcycles or motor vehicles.</p> <p>Notes If the pictures in this manual do not match the physical helmet, please refer to the real helmet.</p> <p>Safety Performance The product has passed the test, can protect the head, and reduce the possible damage of cushioning. In order to better protect the user, please choose the appropriate sports environment and sport mode in addition to use the helmet correctly.</p> <p>Notes Please do not use the helmet after sports collision! Please replace it with a new one immediately or stop using. Our company provides preferential replacement services.</p> <p>Comfortable Lightweight design satisfy your demand of your long-time sporting. Holes design make the helmet good ventilated, cool and comfortable. The soft and elastic design of inner pad makes your wearing more comfortable.</p> <p style="text-align: right;">CN</p> </div> </div>
<p>Instruction</p>	<div style="display: flex; justify-content: space-between;"> <div style="width: 30%; border: 1px solid black; padding: 5px;"> <p style="text-align: center;">P02 Wearing method</p> <p>1 How to wear the helmet</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>Correct</p>  </div> <div style="text-align: center;"> <p>Wrong</p>  </div> <div style="text-align: center;"> <p>Wrong</p>  </div> </div> <p>Notes In order to better protect the user, please wear a helmet correctly. Please do not use the helmet after sports collision! Please replace it immediately or stop using!</p> <p>2 How to use this buckles</p> <p>It is a male and female device, combining the two into one to complete the locking action, as shown in the picture. It should be placed in the middle of the chin, avoiding to be placed in the position of cheekbone.</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>Buckler</p> </div> <div style="text-align: center;">  <p>Prebs</p> </div> </div> <p style="text-align: center;">CN</p> </div> <div style="width: 30%; border: 1px solid black; padding: 5px;"> <p style="text-align: center;">P03 Wearing method</p> <p>Notes Please make sure that the buckles is securely locked before cycling. Please adjust the helmet strap appropriately, neither too tight nor too loose. Too loose adjustment or wrong wearing method could cause the helmet to slip off the head. And the head cannot be effectively protected, death or injury may occur when an accident occurs.</p> <p>3 How to adjust the strap and buckle</p> <p>There are two movable fan-shaped buckles on the strap, one each on the left and the right. The moving method, as shown in the picture (A), should be placed on the lower edge of the ear, as shown in the picture (B).</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>How to move the buckle</p>  </div> <div style="text-align: center;"> <p>Correct wearing position</p>  </div> </div> <p>Notes Too loose strap could cause the helmet to slip off your head, and if it's too tight, it will be not comfortable. Please adjust the length appropriately according to your head.</p> <p style="text-align: center;">CN</p> </div> <div style="width: 30%; border: 1px solid black; padding: 5px;"> <p style="text-align: center;">P04 Wearing method</p> <p>4 Size Adjustment System</p> <p style="text-align: center;">Method of adjuster</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>Lightweight adjuster</p> </div> <div style="text-align: center;">  <p>Traditional adjuster</p> </div> </div> <p>Press the front part with one hand and adjust the adjuster accordingly with the other.</p> <p>Notes Please do not involve your hair in the adjusting knob when using the adjuster.</p> <p>5 How to adjust the adjuster angle.</p> <p>The adjuster is with slide rail, can be adjusted to your comfortable angle, and can be detached for cleaning or replacement.</p> <p>Notes Please make sure the slide rail and the slide groove are installed correctly before using this product.</p> <p>Adjusting Steps:</p> <p style="text-align: center;">CN</p> </div> </div>

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Front test line for (J) ISO



Side test line for (J) ISO



Rear test line for (J)
ISO



End of Report

