Test Report Number: SZHH01812664

Applicant: ZHAO QING BO HAN SPORTS COMPANY LTD
NO.2-1, KANG TAI STREET, HIGH-TECH ZONE
ZGAOQING CITY, GUANGDONG PROVINCE,
P.R. CHINA

Date: Jun 19, 2023

Attn: ZHANGMING

Sample Description:

Eight (8) pieces of submitted sample said to be :

Item Name	:	**Bicycle Helmets**
Item No.	:	**KS60**
Material for Helmet	:	Shell – PC Liner - EPS
Helmet size	:	S(52-56cm)
Age grading for testing	:	5+
Date Sample Received	:	Jun 01, 2023
Testing Period	:	Jun 01, 2023 ~ Jun 19, 2023

Tests conducted:

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

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Conclusion:

Tested sample	Standard	Result
Submitted helmets	16 CFR part 1203: safety standard for bicycle helmets	Pass

Authorized by:
For Intertek Testing Services Shenzhen Ltd.

Rachel L. Guo
General Manager

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1 Safety Standard for Bicycle Helmets

As per 16 CFR part 1203: safety standard for bicycle helmets.

Helmet Positioning Index (HPI) (From reference plane) : 20 mm for ISO E Headform.

Clause	Test Items	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.	P
1203.6	**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: (1) Model designation. (2) A warning to the user that no helmet can protect against all possible impacts and that serious injury or death could occur. (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. (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. (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. (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.	P
1203.6 b)	**Instructions** Each helmet shall have fitting and positioning instructions, including a graphic representation of proper positioning.	P

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Clause	Test Items	Result
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 midsagittal plane when measured in accordance with § 1203.14 of this standard.	P
	(b) Positional stability No bicycle helmet shall come off of the test headform when tested in accordance with § 1203.15 of this standard.	P
	(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.	P (See appendix)
	(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.	P (See appendix)
1203.34	**Product certification and labeling by manufacturers (including importers)** **Contents of certification label.** The certification labels required by this section shall contain the following: (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’’; (2) The name of the U.S. manufacturer or importer responsible for issuing the certificate or the name of a private labeler; (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; (4) The name and address of the foreign manufacturer, if the helmet was manufactured outside the United States; (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; (6) An identification of the production lot; (7) The uncoded month and year the product was manufactured. (c) 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: (i) The person or firm issuing the certificate maintains a written record of the meaning of each symbol used in the code, and (ii) The record shall be made available to the distributor, retailer,	P

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Clause	Test Items	Result
	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.’’ (e) Additional provisions for importers (1) General. The importer of any bicycle helmet subject to the standard in subpart A of this part 1203 must issue the certificate of compliance required by section 14(a) of the CPSA and this section. If a reasonable testing program meeting the requirements of this subpart has been performed by or for the foreign manufacturer of the product, the importer may rely in good faith on such tests to support the certificate of compliance, provided: (i) The importer is a resident of the United States or has a resident agent in the United States, Required by § 1203.41 of subpart C of this part, and (ii) Such records are available to the Commission within 48 hours of a request to the importer. (2) Responsibility of importers. Importers that rely on tests by the foreign manufacturer to support the certificate of compliance shall—in addition to complying with paragraph (e)(1) of this section—examine the records supplied by the manufacturer to determine that they comply with § 1203.41 of subpart C of this part.	

Abbreviation: P = Pass

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Appendix:

Sample	#1	#2	#3	#4	#5	#6	#7	#8
Weight	241.1 g	240.7 g	241.0 g	239.2 g	243.6 g	239.3 g	237.0 g	240.1 g

Laboratory Conditioning Environment

Barometric Pressure:	101 kPa	Cold:	-15.0 °C
Laboratory Humidity:	61 %	Hot:	50.0 °C
Ambient:	22.3 °C	Wet:	21.3 °C

Instrumentation Check

PRE TEST		
Impact #	V (m/s) 5.33 - 5.55	Peak g's 380 - 425
1	5.44	403.9
2	5.42	401.8
3	5.40	400.2
	Difference in g's	3.7

POST TEST		
Impact #	V (m/s) 5.33 - 5.55	Peak g's 380 - 425
1	5.43	403.3
2	5.41	401.0
3	5.44	404.8
	Difference in g's	3.8

Section 1203.12 – Dynamic strength of the retention system

Sample No.	Environment Impact	Dynamic displacement (mm)	Compliant
1	Ambient	10.4	Pass
2	High	15.9	Pass
3	Low	10.7	Pass
4	Water	10.8	Pass

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Section 1203.12 – Impact Attenuation Test

Sample No.	Anvil	Location Impact	Velocity (m/s)	Peak (Gn)	Compliant
1 Ambient	Flat	Front	6.08	188.7	Pass
		Crown	6.22	208.8	Pass
	Hemispherical	Rear	4.69	87.5	Pass
		Right	4.77	112.8	Pass
2 High	Flat	Left	6.07	191.5	Pass
		Front	6.06	187.3	Pass
	Hemispherical	Crown	4.68	97.4	Pass
		Rear	4.70	87.5	Pass
3 Low	Flat	Crown	6.06	202.7	Pass
		Rear	6.17	199.0	Pass
	Hemispherical	Front	4.82	132.0	Pass
		Left	4.77	115.2	Pass
4 Water	Flat	Rear	6.19	194.3	Pass
		Right	6.09	199.9	Pass
	Hemispherical	Crown	4.68	97.4	Pass
		Front	4.67	96.9	Pass
5 Ambient	Curbstone	Front	4.77	116.6	Pass
6 High		Left	4.85	125.0	Pass
7 Low		Crown	4.67	110.0	Pass
8 Water		Rear	4.69	104.9	Pass

Photos for reference

Front view	

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Side view	
Back view	

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Top view	
Bottom view	

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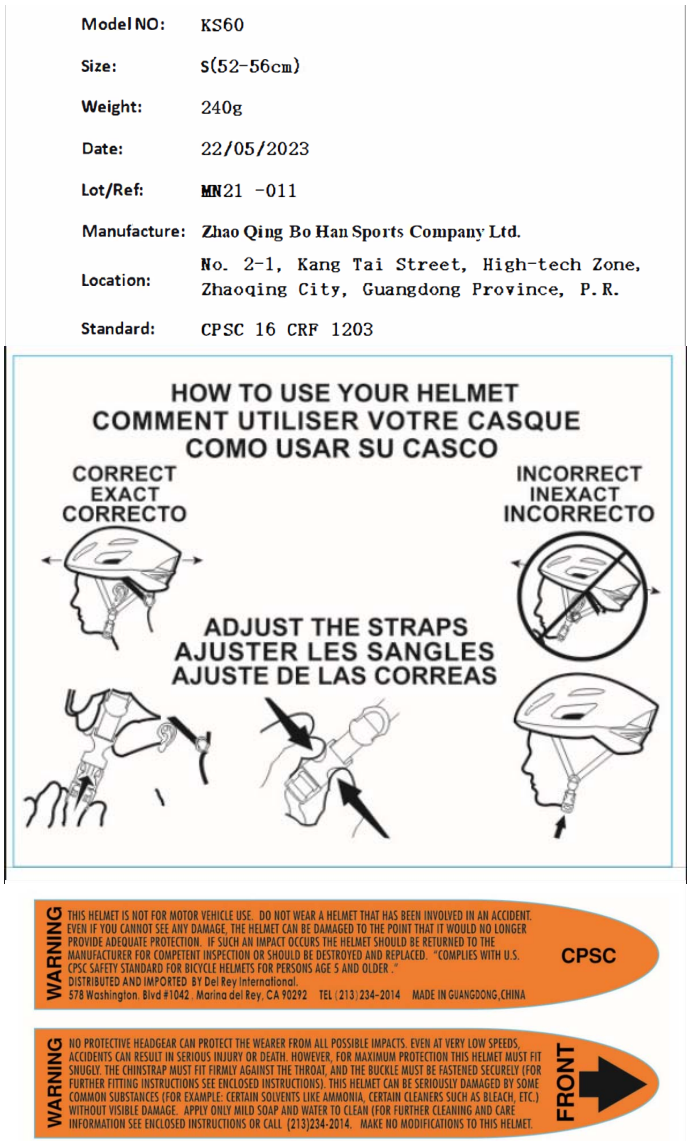
Label	

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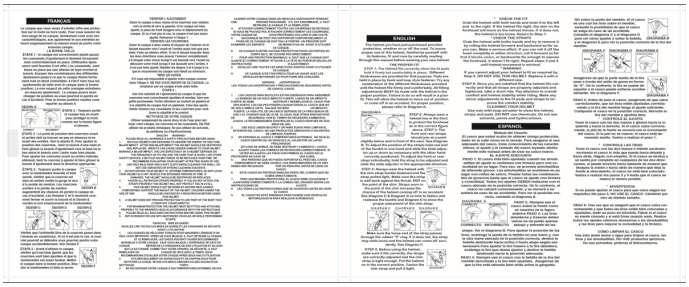
Instruction	
Test line	

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Impact site #1	
Impact site #2	

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Impact site #3	

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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.This decision rule only applies to the numeric test results.*

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