



**BUREAU
VERITAS**

CONSUMER PRODUCTS SERVICES DIVISION



4732

ZHAO QING BO HAN SPORTS COMPANY LTD.

Technical Report (8523)256-0510
Date Received: September 14, 2023

October 08, 2023
Page 1 of 19

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

Sample Description:	HELMET	PO No.:	N/A
Manufacturer:	N/A	Style:	MODEL#:KS39
Buyer:	N/A	Country of Destination:	N/A
Country of Origin:	N/A	SKU No.:	ITEM#: M 55-58CM, L 58-61CM
Color:	N/A	UPC Code:	N/A
Reference No.:	N/A	Lot No:	N/A
Protocol No.:	N/A		
Previous Report No.:	N/A		
Test start date:	September 14, 2023		
Test finish date:	October 08, 2023		

EXECUTIVE SUMMARY:

The sample(s) meets the following requirement(s) **(PASS)**

-BS EN 1078:2012+A1:2012: Helmets for pedal cyclists and for users of skate boards and roller skates (exclude clause 4.1 Material)

REMARK(S):

1. Per requested only below tests were conducted in this report.
2. The font size on package was not verified because it is artwork.



ZHAO QING BO HAN SPORTS COMPANY LTD.

Technical Report: **(8523)256-0510**

October 08, 2023

Page 2 of 19

BS EN 1078:2012+A1:2012: **Helmets for pedal cyclists and for users of skate boards and roller skates** (exclude clause 4.1 Material)

Test Conducted: Based on BS EN 1078:2012+A1:2012: Helmets for pedal cyclists and for users of skate boards and roller skates

Designation of the model:KS39

Sample information:

Size(cm)	Mass Claim(g)	Mass Actual average result(g)	Rating (requirement: nearest 10g)	Headform	HPI(from the reference level)
M:55-58	380	372.4 376.9 374.9 377.9 Actual average: 375.5	PASS 380	J	25.4mm
L:58-61	390	396.8 390.9 395.8 394.7 Actual average: 394.6	PASS 390	M	25.4mm



ZHAO QING BO HAN SPORTS COMPANY LTD.

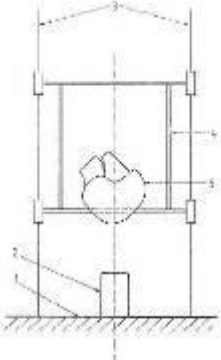
Technical Report: **(8523)256-0510**

October 08, 2023

Page 3 of 19

Test Results:

Clause	Test Item	Test Method/Requirement	Result
4.1	Material	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. Material shall not be used which are known to cause skin disorders.	NOT REQUEST
4.2 5.2	Construction	The helmet normally consists of a means of absorbing impact energy and means of retaining the helmet on the head on 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.	M/PASS
4.3 5.7	Field of vision	There shall be no occultation in the field of vision bounded by angles as follows: 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.	M/PASS
4.6.1	Retention system – 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.	M/PASS
4.6.2	Retention system – Chin Strap	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.	M/PASS
4.6.3	Retention system – 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.	M/PASS
4.6.4	Retention system – Color	No part of the retention system shall be colored green. Note: It is recommended that the opening mechanism be marked with red or orange color.	M/PASS
4.6.6 5.6	Retention system – Effectiveness	Sample 1 The helmet shall not come off the headform.	M/PASS

Clause	Test Item	Test Method/Requirement	Result
4.4 5.4	Shock absorbing capacity	<p>Sample 1</p> <p>The helmet shall give protection to the forehead, rear sides, temples and crown of the head.</p> <p>Condition:</p> <p>High temperature (+50 ±2 °C for not less than 4 h and not more than 6 h) – Kerbstone Anvil</p> <p>No reconditioning – Flat Anvil</p> <p>The peak acceleration shall not, for each impact, exceed 250 g for the velocity of 5.42 m/s +0.1 -0 m/s (theoretically drop height 1497 mm) on the flat anvil, and 4.57 m/s +0.1 -0 m/s (theoretically drop height 1064 mm) on the kerbstone anvil.</p>  <p>Key</p> <ul style="list-style-type: none"> 1 helmet 2 anvil 3 pendulum 4 anvil 5 helmet with anvil <p>Figure 2... Principle of apparatus for determination of shock absorbing capacity</p>	M/PASS SEE ANNEX-1
4.4 5.4	Shock absorbing capacity	<p>Sample 2</p> <p>The helmet shall give protection to the forehead, rear sides, temples and crown of the head.</p> <p>Condition:</p> <p>Low temperature (-20 ±2 °C for not less than 4 h and not more than 6 h) – Flat Anvil</p> <p>No reconditioning – Kerbstone Anvil</p> <p>The peak acceleration shall not, for each impact, exceed 250 g for the velocity of 5.42 m/s +0.1 -0 m/s (theoretically drop height 1497 mm) on the flat anvil, and 4.57 m/s +0.1 -0 m/s (theoretically drop height 1064 mm) on the kerbstone anvil.</p>	M/PASS SEE ANNEX-1

Clause	Test Item	Test Method/Requirement	Result
4.6.5 5.5	Retention system – Strength	<p>Sample 2</p> <p>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 provide that the above requirements are met.</p> <p>Note: The 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>	M/PASS SEE ANNEX- 2
4.4	Shock absorbing capacity	<p>Sample 3</p> <p>The helmet shall give protection to the forehead, rear sides, temples and crown of the head.</p> <p>Condition: Artificial ageing (UV irradiation by a 125 W xenon-filled quartz lamp for 48 h at a range of 250 mm, then spraying for 4 h to 6 h with water at ambient temperature at the rate of 1 l/min) – Kerbstone Anvil No reconditioning – Flat Anvil</p> <p>The peak acceleration shall not, for each impact, exceed 250 g for the velocity of 5.42 m/s +0.1 -0 m/s (theoretically drop height 1497 mm) on the flat anvil, and 4.57 m/s +0.1 -0 m/s (theoretically drop height 1064 mm) on the kerbstone anvil.</p>	M/PASS SEE ANNEX- 1
4.6.5 5.5	Retention system – Strength	<p>Sample 3</p> <p>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 provide that the above requirements are met.</p> <p>Note: The 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>	M/PASS SEE ANNEX- 2
4.6.7 5.5	Retention system – Ease of release	<p>Following the strength test and with the load still applied, it shall be possible to open the release system with one hand.</p>	M/PASS
4.5	Durability	<p>After being tested the helmet shall not exhibit damage that could cause significant injury to the wearer (sharp edges, points).</p>	M/PASS



ZHAO QING BO HAN SPORTS COMPANY LTD.

Technical Report: **(8523)256-0510**

October 08, 2023

Page 6 of 19

Clause	Test Item	Test Method/Requirement	Result
6	Marking	<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> <ul style="list-style-type: none"> 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 skates. e. Size or size range of the helmet, quoted as the circumference (in cm) of the head which the helmet is intended to fit f. Weight of the helmet (the average mass in grams of the helmet size in question rounded to the nearest 10 g) g. Year and quarter of manufacture h. Following text: <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>If there is a consumer sales packaging, the information specified in a), b), d) and h) shall also be given on that package. The test shall be of minimum font size of 12.</p>	M/PASS



ZHAO QING BO HAN SPORTS COMPANY LTD.

Technical Report: **(8523)256-0510**

October 08, 2023

Page 7 of 19

Clause	Test Item	Test Method/Requirement	Result
7	Information to be supplied by manufacturer	<p>With every helmet, clear information in the language(s) of the country of sale shall be finished as follows:</p> <ul style="list-style-type: none">a. that the helmet can only protect if it fits well and that the buyer should try different size and choose the size which feels secure and comfortable on the headb. 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 the both comfortable and firmc. 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 the helmet cannot always protect against injurye. that a helmet subjected to a severe impact shall be discarded and destroyedf. 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.	M/PASS



ZHAO QING BO HAN SPORTS COMPANY LTD.

Technical Report: **(8523)256-0510**

October 08, 2023

Page 8 of 19

ANNEX-1 : IMPACT ENERGY ATTENUATION TEST

Test Specification : BS EN 1078:2012+A1:2012

Ambient temperature at time of test : 22°C

Headform J					
Condition	Test Anvil	Test Site	Velocity (m/s)	Peak'G	Result
High temperature No recondition (Clause 5.4.2.1)	Kerbstone	Left	4.58	92.6	PASS
	Flat	Crown	5.45	161.7	PASS
Low temperature No recondition (Clause 5.4.2.2)	Kerbstone	Crown	4.59	89.7	PASS
	Flat	Right	5.44	160.5	PASS
Artificial Ageing No recondition (Clause 5.4.2.3)	Kerbstone	Rear	4.59	91.2	PASS
	Flat	Front	5.45	150.2	PASS

Headform M					
Condition	Test Anvil	Test Site	Velocity (m/s)	Peak'G	Result
High temperature No recondition (Clause 5.4.2.1)	Kerbstone	Left	4.59	99.7	PASS
	Flat	Crown	5.44	158.2	PASS
Low temperature No recondition (Clause 5.4.2.2)	Kerbstone	Crown	4.58	101.2	PASS
	Flat	Right	5.45	161.3	PASS
Artificial Ageing No recondition (Clause 5.4.2.3)	Kerbstone	Rear	4.59	91.6	PASS
	Flat	Front	5.44	145.7	PASS

ANNEX-2 : RENTENTION SYSTEM STRENGTH

Test Specification : BS EN 1078:2012+A1:2012

Ambient temperature at time of test :22°C

Headform J		
Condition	Dynamic Extension (mm)	Residual Extension (mm)
Low temperature No recondition (Clause5.4.2.2)	19.1	5.7
Artificial Ageing No recondition (Clause5.4.2.3)	17.1	4.8

Headform M		
Condition	Dynamic Extension (mm)	Residual Extension (mm)
Low temperature No recondition (Clause5.4.2.2)	18.1	4.8
Artificial Ageing No recondition (Clause5.4.2.3)	17.4	4.5





ZHAO QING BO HAN SPORTS COMPANY LTD.

Technical Report: **(8523)256-0510**

October 08, 2023

Page 10 of 19

ANNEX-3 : PHOTOS FOR REFERENCE

LABEL		
<p>Model:KS39 Size: M(55-58CM) Mominal Mass:380g+/-5% Manufacturer:Zhao Qing Bo Han Sports Company Ltd. No.2-1,Kang Tai Street,High-tech Zone, Zhaoqing City,Guangdong Province, P.R.China Manufacture date: 2023/10/30</p>	<p>Helmet for pedal cyclists, skateboarders or roller skates</p> <p>European Distributor: Adresse: Tel:</p>	 CONFORMS TO EN 1078:2012+A1:2012
<p>Model:KS39 Size: L(58-61CM) Mominal Mass:390g+/-5% Manufacturer:Zhao Qing Bo Han Sports Company Ltd. No.2-1,Kang Tai Street,High-tech Zone, Zhaoqing City,Guangdong Province, P.R.China Manufacture date: 10/30/2023</p>	<p>Helmet for pedal cyclists, skateboarders or roller skates</p> <p>European Distributor: Adresse: Tel:</p>	 CONFORMS TO EN 1078:2012+A1:2012



ZHAO QING BO HAN SPORTS COMPANY LTD.

Technical Report: **(8523)256-0510**

October 08, 2023

Page 11 of 19

instruction

Final Check

The important thing to remember is that the helmet fits snugly. If you can fit it forward or backward you need to tighten the strap adjustment.

The straps should be positioned that they do not cover the ears and that the buckle is away from the jaw when correctly fitted.

Buyer should always try different sizes and choose the size which feel secure and comfortable on the head.

It is important for the helmet to fit snugly on your head and must be fastened to provide maximum protection.

All adjustments should be checked each time the helmet is worn, making sure it fits snugly at all times.

Caring for Your Helmet

Clean the headgear with mild soap and water only. The use of any solvents, paints or decals can cause damage to the helmet and make it ineffective in the result of an accident.

Keep Helmet Out of Extreme Heat

Helmets will be damaged if exposed to temperatures exceeding 150 F. Dark vehicles and storage bags can exceed this on very hot days. Heat damaged helmets will have random disfigured areas where the texture appears bubbly and uneven. If damaged, helmets should be destroyed and replaced immediately.

Important Information

This headgear is designed to absorb the energy of a blow by partial destruction or damage itself. Even though such damage may not be visible, the helmet should be destroyed or replaced, if it is involved in an injury-related fall.

Unfortunately, some accidents result in head injury 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 extreme caution and be sure to read this manual thoroughly.

Bicycle - Sports Helmets Warning

The Bicycle-Sports Safety Helmet is designed and intended exclusively for use while cycling, and other non-motorized sports. It is not intended for and will not provide adequate, safe protection if used during motorsport or moped use. No helmet can protect the wearer against all unforeseeable impacts. However, for maximum protection, the helmet must fit well and all retention straps must be securely fastened.

It's dangerous to modify or remove any of original component parts of the helmet other than as recommended by the manufacturer.

The helmet should not be adapted for the purpose of fitting accessories in a way not recommended by the manufacturer.

The helmet shall be replaced after 3 years, since the manufacture date.

For the used helmet disposal, please follow up the local disposal law for the waste product.

BICYCLE - SPORTS SAFETY HELMET OWNERS MANUAL

European Distributor:

Company name:

Company address:

Tel :

**THIS HELMET
MEETS, CE EN 1078:2012+A1:2012
HELMET STANDARDS**

Manufacturer:

Zhao Qing Bo Han Sports Company Ltd.
No. 2-1, Kang Tai Street, High-tech Zone,
Zhaoqing City, Guangdong Province, P.R. China

IMPORTANT!

This helmet has passed EN1078:2012+A1:2012 to show conformity to the respectively Regulation EU 2016/425. EU declaration of conformity will pack with product for sell.

EU TYPE-EXAMINATION CERTIFICATE ISSUED BY:

Telefication B.V. or Kiwa Nederland B.V.
Wilmersdorf 50
7327 AC Apeldoorn, The Netherlands
Notified Body No. 0560 - Telefication
Notified Body No. 0083 - Kiwa

**PLEASE READ CAREFULLY BEFORE USING
YOUR NEW HELMET**

The Bicycle-Sports Safety Helmet you have just purchased provides protection, whether on or off the road. To insure proper use of this helmet, familiarize yourself with its features, fit and care by carefully reading through this manual before wearing your new helmet.

Protection and Ventilation

The outershell allows the helmet to be rated one of the lightest helmets while providing excellent durability and integrity. The multiple vents with inner air channels draw the air through the helmet and over the brow for maximum cooling.

Pad Fitting

The helmet must fit properly to be effective. With a proper fit, the helmet will not move back and forth or side to side while fastened. If the helmet does not fit with installed pads, simply remove them and install a different size pad. To insure the proper fit, mix and match the pad thickness to best conform to your head shape.

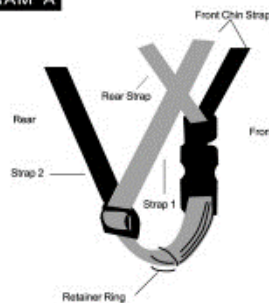
Retention System

This Bicycle-Sports Safety Helmet uses a quick-release buckle that is simple and can be buckled and unbuckled without changing the adjustment. The straps must be snugly and evenly tensioned. Place the helmet firmly on your head and fasten the buckle.

Notice which strap is loose. Tighten the loose strap after removing the helmet.

To tighten the chin strap, hold the buckle with one hand. Then pull the excess strap in through. (See Diagram A).

DIAGRAM A



To tighten the rear strap, pull excess from the rear of strap 2. Hold the helmet with one hand. With the other hand, hold the strap where they pass under your chin. Then pull from side to side to balance the length of all four straps. (See Diagram B)

The helmet must sit firmly and level on your head. (See Diagram C) To lower the front of the helmet to cover your forehead, tighten the chin strap and loosen the rear strap. To raise the front, loosen the chin strap and tighten the rear strap.

To check for proper tension, put on the helmet and fasten the buckle. Open your mouth. You should feel the strap pulling against your chin.

Then attempt to pull the helmet off the front or rear. If the helmet comes off, increase strap tension and examine if thick enough pads are being used. The helmet should not be able to roll forward or backward excessively. It should not be possible to remove the helmet without unfastening the buckle.

NOTE: Please check adjustment every time this helmet is worn.

DIAGRAM B

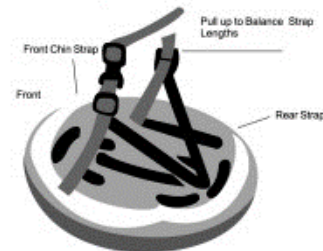
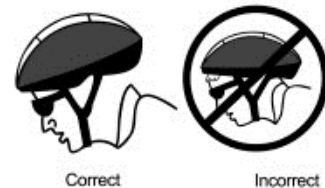


DIAGRAM C



Correct

Incorrect

L(58-61cm) for Headform M Front view



L(58-61cm) for Headform M Impact area



L(58-61cm) for Headform M interior view



L(58-61cm) for Headform M Product photo



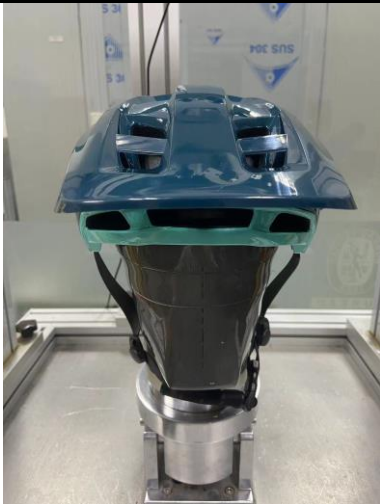
L(58-61cm) for Headform M Rear view



L(58-61cm) for Headform M Top view



M(55-58cm) for Headform J Front view



M(55-58cm) for Headform J Impact area



M(55-58cm) for Headform J interior view



M(55-58cm) for Headform J product photo



M(55-58cm) for Headform J Rear view



M(55-58cm) for Headform J Top view





ZHAO QING BO HAN SPORTS COMPANY LTD.

Technical Report: **(8523)256-0510**

October 08, 2023

Page 17 of 19

NOTE: If there are questions or concerns regarding above report, please contact the appropriate lab persons.

Technical questions & concerns:

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BUREAU VERITAS SHENZHEN CO., LTD

A handwritten signature in black ink, appearing to read 'LARRY CHING'.

LARRY CHING
SENIOR MANAGER – HARDLINES DIVISION





END OF REPORT