

SHENZHEN JINXUN E-COMMERCE CO., LTD.
612,518172.ROOM 612, TIANHUI BUILDING, NO.26 HUAXING ROAD, HUANGGEKENG COMMUNITY,
LONGGANG DISTRICT, SHENZHEN CITY, GUANGDONG PROVINCE, CHINA, 518172.

Sample Description : E-BIKE HELMET
Item No. : EW-618
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 : 51cm-54cm, 55cm-58cm, 58cm-61cm, 62cm-63cm
Tested age grade : 5 AND OLDER
HPI (from reference plane) : 51cm-54cm: 15mm FOR E ISO
55cm-58cm: 16mm FOR J ISO
58cm-61cm: 18mm FOR M ISO
62cm-63cm: 18mm FOR O ISO

Sample Receiving Date : Dec 02, 2022
Test Performing Date : Dec 02, 2022 to Dec 12, 2022
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: 32 piece(s)

Test Results: Details shown as following table

Subpart A —The Standard

Clause	Test Item / Test Requirement / Test Method	Test Result
1203.5	<p>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>	Pass
1203.6	<p>Labeling and instructions</p> <p>(a) Labeling</p> <p>Each helmet shall be marked with durable labeling so that the following information is legible and easily visible to the user:</p>	NT
	(1) Model designation.	NT
	(2) A warning to the user that no helmet can protect against all possible impacts and that serious injury or death could occur.	NT
	(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.	NT
	(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.	NT
	(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.	NT
	(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.	NT
	(b) Instructions	



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Clause	Test Item / Test Requirement / Test Method	Test Result
	Each helmet shall have fitting and positioning instructions, including a graphic representation of proper positioning	NT
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:	NT
	(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”;	NT
	(2) The name of the U.S. manufacturer or importer responsible for issuing the certificate or the name of a private labeler;	NT
	(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;	NT
	(4) The name and address of the foreign manufacturer, if the helmet was manufactured outside the United States;	NT



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	(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;	NT
	(6) An identification of the production lot; and	NT
	(7) The uncoded month and year the product was manufactured.	NT
	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	NT
	(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."	NT

Remark:

1. NA = Not applicable.
2. NT = Not tested as per client's request.
3. This test report is to supersede No. GZHL2212145209HM test report which was issued on Dec 13, 2022. And the original test reports (paper and electronic) are invalid.
4. This test report is issued based on the modification of the original No. GZHL2212145209HM test report issued on Dec 28, 2022 And the original report is still valid. According to applicant's requirements, following changes are included:
 - a. Change of applicant's name.
 - b. Change of applicant's address.



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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	158.2	5.46	390.3	2.68	2.26
	2	158.2	5.49	391.2	2.68	2.26
	3	158.2	5.44	391.2	2.68	2.26
Pretest average		--	--	390.9	--	--
Post test	1	158.1	5.42	389.8	2.69	2.25
	2	158.0	5.48	392.6	2.70	2.26
	3	158.0	5.45	391.2	2.70	2.25
Post test average		--	--	391.2	--	--
Difference between pretest and post test averages				0.3g	Difference not to exceed 5%	

Model: EW-618 Size: 51-54 cm Head form: E ISO HPI (from reference plane): 15 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: 23.2 °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: 23.2 °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: 23.2 °C

Condition	Elongation (mm)	Result
Ambient condition No.1	19.2	Pass
High temperature No.2	18.7	Pass
Low temperature No. 3	19.2	Pass
Water immersion No.4	19.3	Pass



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Annex 4: Impact energy attenuation test

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

Ambient temperature at time of test: 23.2 °C

Condition	Sample Mass (g)	Anvil	Impact Loc.	Vel.-m/sec	Peak'G	Result
Ambient Condition No.1	281	Flat	Front	6.22	179.5	Pass
		Flat	Left	6.22	196.8	Pass
		Hemispherical	Crown	4.84	105.0	Pass
		Hemispherical	Rear	4.77	102.6	Pass
High Temperature No.2	283	Flat	Crown	6.23	201.5	Pass
		Flat	Left	6.24	205.2	Pass
		Hemispherical	Right front	4.84	115.7	Pass
		Hemispherical	Right rear	4.79	91.4	Pass
Low Temperature No.3	281	Flat	Crown	6.20	218.4	Pass
		Flat	Rear	6.22	199.6	Pass
		Hemispherical	Front	4.79	103.1	Pass
		Hemispherical	Left	4.78	120.0	Pass
Water Immersion No.4	282	Flat	Left front	6.24	169.2	Pass
		Flat	Left rear	6.20	166.8	Pass
		Hemispherical	Right front	4.82	103.1	Pass
		Hemispherical	Right rear	4.78	95.6	Pass
Ambient Condition No.5	282	Curbstone	Front	4.79	106.8	Pass
High Temperature No.6	284	Curbstone	Crown	4.77	109.7	Pass
Low Temperature No.7	275	Curbstone	Left	4.81	119.5	Pass
Water Immersion No.8	283	Curbstone	Rear	4.82	118.1	Pass

Model: EW-618 **Size:** 55-58 cm **Head form:** 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: 23.2 °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: 23.2 °C



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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: 23.2 °C

Condition	Elongation (mm)	Result
Ambient condition No.1	19.3	Pass
High temperature No.2	19.0	Pass
Low temperature No. 3	20.2	Pass
Water immersion No.4	18.8	Pass

Annex 4: Impact energy attenuation test

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

Ambient temperature at time of test: 23.2 °C

Condition	Sample Mass (g)	Anvil	Impact Loc.	Vel.-m/sec	Peak'G	Result
Ambient Condition No.1	283	Flat	Front	6.20	184.6	Pass
		Flat	Left	6.21	212.3	Pass
		Hemispherical	Crown	4.77	108.7	Pass
		Hemispherical	Rear	4.79	115.7	Pass
High Temperature No.2	284	Flat	Crown	6.21	202.4	Pass
		Flat	Left	6.23	209.5	Pass
		Hemispherical	Right front	4.82	120.4	Pass
		Hemispherical	Right rear	4.85	113.4	Pass
Low Temperature No.3	279	Flat	Crown	6.21	233.4	Pass
		Flat	Rear	6.25	204.3	Pass
		Hemispherical	Front	4.84	103.6	Pass
		Hemispherical	Left	4.79	146.2	Pass
Water Immersion No.4	274	Flat	Left front	6.24	174.3	Pass
		Flat	Left rear	6.24	175.3	Pass
		Hemispherical	Right front	4.80	115.3	Pass
		Hemispherical	Right rear	4.81	106.8	Pass
Ambient Condition No.5	279	Curbstone	Front	4.79	108.7	Pass
High Temperature No.6	284	Curbstone	Crown	4.75	114.8	Pass



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Low Temperature No.7	282	Curbstone	Left	4.80	128.9	Pass
Water Immersion No.8	279	Curbstone	Rear	4.79	120.0	Pass

Model: EW-618 **Size:** 58-61 cm **Head form:** M ISO **HPI (from reference plane):** 18 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: 23.2 °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: 23.2 °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: 23.2 °C

Condition	Elongation (mm)	Result
Ambient condition No.1	21.1	Pass
High temperature No.2	20.0	Pass
Low temperature No. 3	21.0	Pass
Water immersion No.4	20.9	Pass

Annex 4: Impact energy attenuation test

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

Ambient temperature at time of test: 23.2 °C

Condition	Sample Mass (g)	Anvil	Impact Loc.	Vel.-m/sec	Peak'G	Result
Ambient Condition No.1	310	Flat	Front	6.23	179.7	Pass
		Flat	Left	6.21	207.4	Pass
		Hemispherical	Crown	4.82	106.8	Pass
		Hemispherical	Rear	4.76	117.6	Pass



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High Temperature No.2	309	Flat	Crown	6.21	223.0	Pass
		Flat	Left	6.21	198.0	Pass
		Hemispherical	Right front	4.82	106.8	Pass
		Hemispherical	Right rear	4.83	98.8	Pass
Low Temperature No.3	310	Flat	Crown	6.20	231.0	Pass
		Flat	Rear	6.20	198.5	Pass
		Hemispherical	Front	4.79	105.4	Pass
		Hemispherical	Left	4.79	127.5	Pass
Water Immersion No.4	308	Flat	Left front	6.20	171.7	Pass
		Flat	Left rear	6.17	169.8	Pass
		Hemispherical	Right front	4.82	102.5	Pass
		Hemispherical	Right rear	4.81	102.1	Pass
Ambient Condition No.5	302	Curbstone	Front	4.79	112.4	Pass
High Temperature No.6	313	Curbstone	Crown	4.74	117.1	Pass
Low Temperature No.7	311	Curbstone	Left	4.77	126.1	Pass
Water Immersion No.8	303	Curbstone	Rear	4.83	122.8	Pass

Model: EW-618 Size: 62-63 cm Head form: O ISO HPI (from reference plane): 18 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: 23.2 °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: 23.2 °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: 23.2 °C

Condition	Elongation (mm)	Result
Ambient condition No.1	20.1	Pass



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High temperature No.2	19.6	Pass
Low temperature No. 3	20.6	Pass
Water immersion No.4	21.3	Pass

Annex 4: Impact energy attenuation test

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

Ambient temperature at time of test: 23.2 °C

Condition	Sample Mass (g)	Anvil	Impact Loc.	Vel.-m/sec	Peak'G	Result
Ambient Condition No.1	309	Flat	Front	6.20	193.8	Pass
		Flat	Left	6.18	197.6	Pass
		Hemispherical	Crown	4.75	104.4	Pass
		Hemispherical	Rear	4.85	114.3	Pass
High Temperature No.2	306	Flat	Crown	6.18	228.1	Pass
		Flat	Left	6.21	201.3	Pass
		Hemispherical	Right front	4.75	117.1	Pass
		Hemispherical	Right rear	4.80	102.5	Pass
Low Temperature No.3	303	Flat	Crown	6.16	232.9	Pass
		Flat	Rear	6.20	201.3	Pass
		Hemispherical	Front	4.80	103.0	Pass
		Hemispherical	Left	4.78	125.6	Pass
Water Immersion No.4	304	Flat	Left front	6.19	176.9	Pass
		Flat	Left rear	6.18	173.6	Pass
		Hemispherical	Right front	4.82	110.5	Pass
		Hemispherical	Right rear	4.81	108.7	Pass
Ambient Condition No.5	306	Curbstone	Front	4.77	115.7	Pass
High Temperature No.6	307	Curbstone	Crown	4.82	120.4	Pass
Low Temperature No.7	306	Curbstone	Left	4.76	129.4	Pass
Water Immersion No.8	305	Curbstone	Rear	4.82	126.5	Pass



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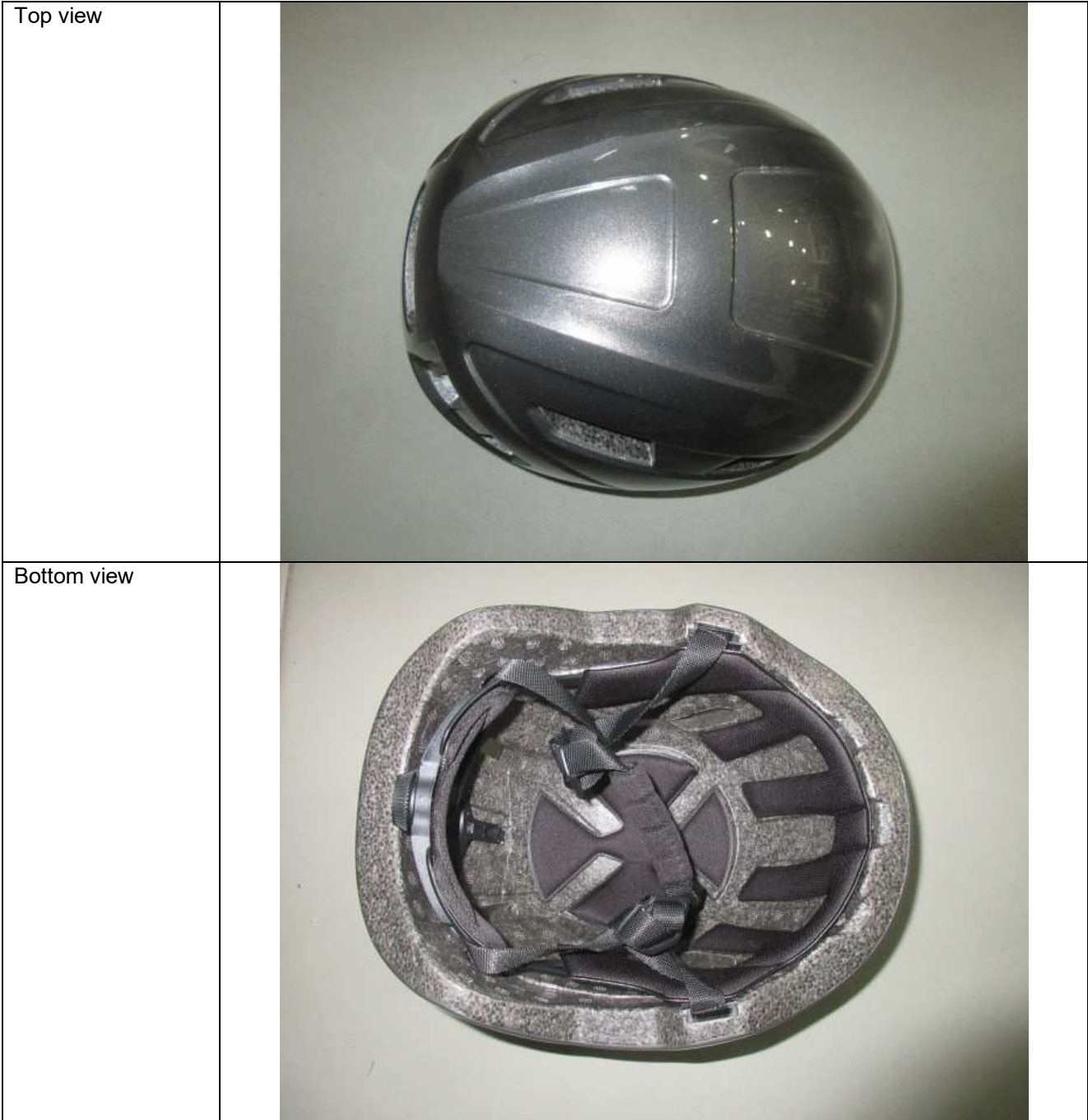
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