

JIANGHAI AREA SHENGTAO SPORTS EQUIPMENT FACTORY
 ZUODUN INDUSTRIAL ZONE, NO.318, NANSHAN ROAD, JIANGHAI DISTRICT, JIANGMEN CITY,
 GUANGDONG PROVINCE, P.R.CHINA

The following sample(s) was / were submitted and identified on behalf of the client as:

Sample Description : WATER SPORTS HELMET
 Style / Item No. : ST038W
 Size : 56cm-58cm
 HPI (from basic plane) : 35mm For EN960 575
 Manufacturer : JIANGHAI AREA SHENGTAO SPORTS EQUIPMENT FACTORY
 Test Performed : BS EN 1385:2012
 Sample Receiving Date : Oct 16, 2018
 Sample Resubmission Date : Nov 27, 2018
 Test Performing Date : Oct 16, 2018 to Dec 19, 2018
 Test Result(s) :

Test Requested	Result
BS EN 1385:2012 (Exclude clause 5.1)	Pass

Signed for and on behalf of
 Guangzhou Branch
 SGS-CSTC Ltd.




Arthur Mak
 Approved Signatory



SGS-CSTC Inspection & Testing Services Co., Ltd.
 Guangzhou Branch Testing Center Headlines

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Test Conducted: Based on **BS EN 1385:2012** Helmets for canoeing and white water sports

Test results: Details shown as following table

Clause	Test Method/Requirement	Result
5	Construction	
5.1	<p>Materials The mechanical properties of the materials used in the manufacture of the helmet should not deteriorate significantly during the period of normal use, due to influences such as exposure to sun, to temperature changes or to fresh or salt water. Metal parts used to fasten the chin strap and/or a suspension cradle to the shell, should be protected from or resistant to corrosion. The materials forming the parts of the helmet coming into contact with the skin should not deteriorate in strength significantly due to contact with sweat, and materials which are known to cause skin disorders shall not be used. The thread used for stitching on webbing should be resistant to rotting.</p>	NT
5.2	<p>Extent of shell When the helmet is placed on a headform of size given in table 1, and the chin strap is secured, the shell, including any holes, shall cover all parts of the headform above the lines ACDF shown in figure 1, except that there may be cut-outs on each side of the helmet to expose the ears for hearing purposes. The dimension `Y` (see figure 1) for the headforms in table 1 shall be taken from table 1 of EN 960:2006. The point C for each headform (figure 1) is the midpoint of AÐZ and the point D is vertically beneath it on the reference plane.</p>	Pass
5.3	<p>Holes The shell may be pierced by holes that allow ventilation or the draining of water.</p>	Pass
5.4	<p>Projections Rivet heads shall be rounded and shall not project more than 2 mm beyond the outer surface of the shell. All edges of the shell shall be smooth and rounded to a radius of not less than 1 mm. Any rigid internal projection shall be covered with protective padding.</p>	Pass
5.5	<p>Retention system The width of any chin strap shall be not less than 15 mm. The chin strap shall be fitted with a device to adjust and maintain tension in the strap, and shall not include a chin cup.</p>	Pass
5.6	<p>Face guards and visors If the helmet is fitted with means for attaching a face guard or visor then the means of attachment shall not reduce the degree of protection of the helmet.</p>	NA
6	Performance requirements	
6.1	<p>Impact protection Helmets shall be capable of withstanding an impact of not less than 15 J. The deceleration of the headform shall not exceed 250 gn, where gn is an acceleration of 9.81 m/s². Testing shall be in accordance with 7.6. The helmet shall be capable of conforming to these requirements regardless of which conditioning procedure in 7.5 has been chosen. A helmet that has been subjected to the procedure in 7.6 shall not be subjected to it a second time. NOTE: This implies that in order to use all four conditioning procedures, a set of at least four helmets is needed.</p>	Pass See annex 1



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6.2	Retention system strength When the retention system is tested by the method described in 7.7 the maximum dynamic extension shall not exceed 25 mm.	Pass See annex 2
6.3	Retention system effectiveness When the helmet is tested by the method in 7.8 the front edge of the helmet shall not move upwards by more than 80 mm.	Pass See annex 3
6.4	Buoyancy After conditioning for water immersion in accordance with 7.5.3 the helmet shall float to the surface.	Pass
8	Marking	
8.1	Each helmet shall be marked in such a way that the following information is easily legible for the user, and is likely to remain legible throughout the life of the helmet:	Pass
	a) the number of this European Standard;	Pass
	b) the name or identification mark of the manufacturer;	Pass
	c) the year and quarter of manufacture;	Pass
	d) the designation 'Helmet for canoeing and whitewater sports';	Pass
8.2	e) the size or size range, in cm.	Pass
	A label shall be attached to each helmet giving the following instructions, in the language of the country of sale.	Pass
	a) For adequate protection this helmet has to fit or be adjusted to the size of the user's head.	Pass
	b) The helmet is made to absorb the energy of a blow by partial destruction or damage to the shell and the harness, and even though such damage may not be readily apparent, any helmet subjected to severe impact should be replaced.	Pass
	c) The attention of users is also drawn to the damage of modifying or removing any of the original component parts of the helmet, other than as recommended by the helmet manufacturer. Helmets should not be adapted for the purpose of fitting attachments in any way not recommended by the helmet manufacturer.	Pass
	d) Do not apply paint, solvents, adhesives or self-adhesive labels, except in accordance with instructions from the helmet manufacturer.	Pass
	e) For cleaning, maintenance or disinfection, use only substances that have no adverse effect on the helmet and are not known to be likely to have any adverse effect upon the wearer, when applied in accordance with the manufacturer's instructions and information.	Pass
f) This helmet is not intended for use in whitewater classed 5 and 6 as given by the International Canoe Federation.	Pass	
8.3	g) This helmet is designed to help protect from bumps, scratches and concussion.	Pass
	Any packaging which is intended by the manufacture for display at the point of sale shall reproduce the statements given in 8.2 f) and g).	Pass



Information to be supplied by the manufacturer		
9	The following information, provided precisely and comprehensibly in the official language(s) of the country of sale, shall accompany each helmet:	Pass
	a) the name and address of the manufacturer;	Pass
	b) instructions or recommendations regarding adjustment, fitting, use, cleaning, disinfection, maintenance, servicing and storage;	Pass
	c) details of suitable accessories and appropriate spare parts;	Pass
	d) relevant information regarding the obsolescence deadline or period or obsolescence of the helmet and component parts;	Pass
	e) relevant information regarding details of the type of packaging suitable for storage and transporting to the point of sale.	Pass

Remark:

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

Model: ST038W

Size: 56-58 cm

Headform: 575 (EN960:2006)

Annex-1: Impact energy attenuation test results:

Test Specification: BS EN 1385:2012-7.6

Ambient temperature at time of test: 22.5 °C

Sample No.	Mass (g)	Conditioning	Test anvil	Impact Location	Vel.-m/sec	Peak'G	Result
1	585.0	High temperature No reconditioning (Clause 7.5.1)	Flat	Front	2.52	49.0	Pass
			Flat	Crown	2.52	182.6	Pass
			Flat	Rear	2.52	43.6	Pass
		After 15 min in ambient	Flat	Crown	2.52	202.6	Pass
2	577.6	Low temperature No reconditioning (Clause 7.5.2)	Flat	Left	2.53	55.0	Pass
			Flat	Crown	2.52	111.8	Pass
			Flat	Rear	2.54	48.9	Pass
		After 15 min in ambient	Flat	Crown	2.52	142.1	Pass
3	580.4	Artificial Ageing No reconditioning (Clause 7.5.4)	Flat	Left front	2.53	73.1	Pass
			Flat	Crown	2.54	164.5	Pass
			Flat	Right rear	2.53	48.1	Pass
		After 15 min in ambient	Flat	Crown	2.52	209.0	Pass
4	578.5	Water Immersion No reconditioning (Clause 7.5.3)	Flat	Right front	2.54	62.0	Pass
			Flat	Crown	2.53	162.8	Pass
			Flat	Left rear	2.53	46.7	Pass
		After 15 min in ambient	Flat	Crown	2.52	180.2	Pass



Annex-2: Retention system strength test results:

Test Specification: BS EN 1385:2012-7.7

Ambient temperature at time of test: 22.5 °C

Sample No.	Condition	Dynamic extension (mm)	Result
2	Low temperature No reconditioning (Clause 7.5.2)	12.1	Pass
3	Artificial Ageing No reconditioning (Clause 7.5.4)	11.8	Pass

Annex-3: Retention system effectiveness test results:

Test Specification: BS EN 1385:2012-7.8

Ambient temperature at time of test: 22.5 °C

Sample No.	Distance of moves (mm)	Result
1	8	Pass

Sample Photo(s):

Front view







<p>Label</p>	<p>Conforms to EN 1385 : 2012 Style No.: ST038W Size: M/56-58 cm Weight: 380 g ± 20 g Date of manufacturing : Dec. 2018</p>  <p>MADE IN CHINA BY SHENGTAO</p>
<p>Label</p>	<p style="text-align: center;">WARNING</p> <ul style="list-style-type: none"> ● For maximum protection the helmet must be good fitted and attached properly to the wearer's head in accordance with THE OWENER'S MANUAL FOR ● FITTING INSTRUCTIONS This headgear is designed to absorb the energy of a severe blow partial destruction of the shell and/or lining Even though damage may not be visible the helmet should be replaced if such an impacts may surpass the helmet's ability to protect against severe injury or death ● Make no modifications to this helmet as it may affect its protective capacity ● Some common substances can cause damage to the helmet, though it may not be visible to the user The use of any solvents paints of cleaning solution cause damage to the helmet and make it ineffective in the result of an accident ● FOR CANOEING AND WHITE WATER SPORT USE ONLY ● This helmet is not intended for use in white water classed 5 and 6 as given by the International Canoe Federation. ● This helmet is designed to help protect from bumps, scratches and concussion.



Instruction

Test line for (575)
EN 960:2006 head form

User's Manual

○ This helmet conforms to EN 1385, the European Standard for "Helmets for canoeing and whitewater sports." Do not use this helmet for any motorized sport, bicycling, skiing, climbing or any activity for which it was not designed.

○ Although this product conforms to EN 1385, it cannot be used indefinitely and materials will degrade over time and with regular use.

WARNING! Under certain conditions, use of this product can result in injury, death, or property damage.

○ Choose a helmet size that fits your head. If the helmet isn't properly sized, it will not function as intended.

○ After reading the user's manual, adjust the helmet's fit. If the helmet is not fitted properly, it may not provide adequate protection. If the helmet does not fit even after making adjustments, stop using immediately.

○ Make sure the chin strap is secured and the helmet is sealed properly. If the chin strap is not secured or loose, the helmet can become dislodged, providing no protection.

○ Do not stuff the inside of the helmet to make it fit. If the helmet isn't properly sized, it will not function as intended.

○ Temperatures below 0°C and above 35°C may negatively affect the performance of the helmet.

○ Do not alter or modify the helmet in any way. Alterations and modifications can negatively affect the performance of the helmet.

○ Do not decorate the helmet with paints, stickers or markers. Adhesives and solvents can negatively affect the performance of the helmet.

○ Attaching a camera to the helmet may negatively affect the performance of the helmet.

○ If the helmet receives a strong or significant impact, stop using the helmet immediately, even if the outward appearance shows no signs of damage. After absorbing an impact, there is a possibility the helmet will not be able to absorb the full force of a second impact and may transfer impact forces to the user's head.

○ Prior to use, check the helmet's condition and stop using immediately if you notice or suspect any damage or irregularities.

○ This helmet is not intended for use in whitewater classes 5 and 6 as given by the International Canoe Federation.

○ This helmet is designed to help protect from bumps, scratches and concussion.

○ Do not abuse or mistreat the helmet. Throwing, dropping or sitting on top of the helmet can reduce its ability to absorb impact forces.

○ Please follow proper care and storage instructions.

CAUTION! Under certain conditions, use of this product can result in injury or property damage.

○ Be careful of heatstroke during particularly hot and sunny weather. Due to a helmet's inherent design, it will easily trap heat even with holes for ventilation.

○ Extended exposure to sunlight may cause the helmet's color to fade.

○ When attaching the helmet to the outside of a backpack, attach it using the chin strap. Attaching it by the headband may damage the helmet.

Prior to use, inspect this product for:

Cracks and damage to the inside and outside of the helmet.

Buckle is working properly, and severed straps or damage from abrasion.

Damage or failure of the dial adjuster.

Directions

In order to protect your head in the event of an impact, your helmet must be fitted properly. Improperly sized and improperly fitted helmets have a reduced ability to protect you in the event of an impact. Prior to each use, adjust the fit of your helmet.

Putting on the helmet
This helmet has a front and back. Put on the helmet so the dial adjuster is at the back of the head. Make sure the helmet is seated horizontally. Move the helmet around to check the helmet is seated correctly and fits properly. It should not shift positions easily.

Securing the helmet
The helmet's chin strap has a side release buckle which is necessary for securing the helmet to your head. Always fasten the buckle when wearing the helmet. Press both sides of the buckle to release.

Positioning the dividers
The dividers must be positioned below the ears. If the dividers are too tight or loose, make adjustments by moving the dividers up and down the chin strap. Adjusting the positions of the dividers will also change the angle of how the helmet sits on the head.

Changing chin strap length
Adjust the length of the chin strap to prevent it from sliding off of the chin. Use the O-ring to secure the chin strap's end and wrap it with the chin pad. Make sure the buckle is below the chin.

Positioning the dial adjuster
The position of the dial adjuster can be changed. Adjust the height of the dial adjuster for better fit.

Warning!
Adjust the dial adjuster's position at the base of dial adjuster where it is attached to the inside of the helmet. The dial adjuster is delicate and can be easily damaged.

Adjusting width
Rotate the dial at the back of the dial adjuster to tighten and loosen.

Warning!
Prior to each use, adjust the width using the dial adjuster.

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End of Report

