



No.: GZHG1510042189CE

Date: Nov 03, 2015

Page 1 of 12

JIANGHAI AREA SHENGTAO SPORTS EQUIPMENT FACTORY BLOCK 2, HUALE STREET, LILE TOWN, JIANGHAI DISTRICT, JIANGMEN CITY, GUANGDONG, CHINA

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

Sample Description	: WATER SPORT HELMET
Style / Item No.	: ST-037
Size	: 54cm-58cm
HPI (from basic plane)	: 32mm FOR 575 EN960
Manufacturer	: JIANGHAI AREA SHENGTAO SPORTS EQUIPMENT FACTORY
Test Performed	: EN 1385:2012
	Analysis of Azo Dye,
	To Determine the pH Value,
	Color Fastness to Perspiration
Sample Receiving Date	: Oct 22, 2015
Test Performing Date	: Oct 22, 2015 to Nov 03, 2015
Test Result(s)	: For the details, refer to the following page(s)

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

Jason Cheung Approved Signatory



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="http://www.gg.com/en/Terms-and-Conditions.aspx">http://www.gg.com/en/Terms-and-Conditions.aspx</a> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="http://www.gg.com/en/Terms-and-Conditions">http://www.gg.com/en/Terms-and-Conditions.aspx</a> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="http://www.gg.com/en/Terms-and-Conditions/Terms-e-Document.aspx">http://www.gg.com/en/Terms-and-Conditions/Terms-e-Document.aspx</a>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction form exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: Ch.Doccheck@gs.com</a>. [18/kzinkda&gienteh?#kda&gienteh?#kda&gienteh?#kda&gienteh?#kda&gienteh?#kda&gienteh?#kda&gienteh?#kda&gienteh?#kda&gienteh?#kda&gienteh?#kda&gienteh?#kda&gienteh?#kda&gienteh?#kda&gienteh?#kda&gienteh?#kda&gienteh?#kda&gienteh?

中国·广州·经济技术开发区科学城科珠路198号

Member of the SGS Group (SGS SA)



No.: GZHG1510042189CE

Date: Nov 03, 2015

Page 2 of 12

### I. Test Conducted: Based on 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	<b>Materials</b> 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.	Pass
5.2	<b>Extent of shell</b> 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 AĐZ and the point D is vertically beneath it on the reference plane.	Pass
5.3	Holes The shell may be pierced by holes that allow ventilation or the draining of water.	Pass
5.4	<b>Projections</b> 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.	Pass
5.5	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.	Pass
5.6	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.	N/A
6	Performance requirements	
6.1	<ul> <li>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.     </li> <li>NOTE: This implies that in order to use all four conditioning procedures, a set of at least four helmets is</li> </ul>	Pass See annex 1
	needed.	



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-enDocument.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior writen approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

中国・广州・经济技术开发区科学城科珠路198号 邮编: 510663 t (86-20) 82155555 f (86-20) 82075191 e sgs.china@sgs.com



### No.: GZHG1510042189CE

Date: Nov 03, 2015

Page 3 of 12

• -	Retention system strength	Pass
6.2	When the retention system is tested by the method described in 7.7 the maximum dynamic extension shall not exceed 25 mm.	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	<b>Buoyancy</b> After conditioning for water immersion in accordance with 7.5.3 the helmet shall float to the surface.	Pass
8	Marking	
	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:	
	a) the number of this European Standard;	Pass
8.1	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
	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.	
	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
8.2	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
	<ul> <li>d) Do not apply paint, solvents, adhesives or self-adhesive labels, except in accordance with instructions from the helmet manufacturer.</li> </ul>	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
	g) This helmet is designed to help protect from bumps, scratches and concussion.	Pass
8.3	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



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-enDocument.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior writen approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

中国・广州・经济技术开发区科学城科珠路198号 邮编: 510663 t (86-20) 82155555 f (86-20) 82075191 e sgs.china@sgs.com

Member of the SGS Group (SGS SA)



### No.: GZHG1510042189CE

Date: Nov 03, 2015

Page 4 of 12

	Information to be supplied by the manufacturer	
	The following information, provided precisely and comprehensibly in the official language(s) of the country of sale, shall accompany each helmet:	
	a) the name and address of the manufacturer;	Pass
9	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
	<ul> <li>d) relevant information regarding the obsolescence deadline or period or obsolescence of the helmet and component parts;</li> </ul>	Pass
	e) relevant information regarding details of the type of packaging suitable for storage and transporting to the point of sale.	Pass

Model: ST-037

Size: <u>54-58 cm</u>

### Headform: 575 (EN960:2006)

### Annex-1: Impact energy attenuation test results

Test Specification: EN 1385:2012-7.6

Ambient temperature at time of test: 22 ºC

Sample No.	Mass (g)	Conditioning	Test anvil	Impact Location	Velm/sec	Peak'G	Result		
		High temperature	Flat	Front	2.52	47.0	Pass		
1	403	No reconditioning (Clause	Flat	Left	2.50	56.0	Pass		
1	403	7.5.1)	Flat	Rear	2.50	46.9	Pass		
		After 15 min in ambient	Flat	Front	2.52	55.1	Pass		
		Low temperature	Flat	Crown	2.53	87.7	Pass		
2	400	No reconditioning (Clause	Flat	Left front	2.52	102.3	Pass		
2	400	0 7.5.2) After 15 min in ambient	Flat	Right rear	2.52	47.6	Pass		
			After 15 min in ambient	After 15 min in ambient	After 15 min in ambient	Flat	Crown	2.58	50.7
3 403	Artificial Ageing	Flat	Rear	2.55	47.8	Pass			
	402	No reconditioning (Clause	Flat	Crown	2.53	93.2	Pass		
	403 7.5.4)	Flat	Left front	2.57	106.9	Pass			
		After 15 min in ambient	Flat	Rear	2.55	49.1	Pass		
		Water Immersion No reconditioning (Clause	Flat	Left	2.54	61.4	Pass		
4	404		Flat	Right rear	2.53	50.8	Pass		
	404	7.5.3)	Flat	Front	2.51	94.4	Pass		
		After 15 min in ambient	Flat	Left	2.52	101.5	Pass		



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="http://www.sgs.com/en/Terms-and-Conditions.aspx">http://www.sgs.com/en/Terms-and-Conditions.aspx</a> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="http://www.sgs.com/en/Terms-and-Conditions.aspx">http://www.sgs.com/en/Terms-and-Conditions.aspx</a> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="http://www.sgs.com/en/Terms-and-Conditions">http://www.sgs.com/en/Terms-and-Conditions.aspx</a> and, for electronic format documents is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com</a>.

中国·广州·经济技术开发区科学城科珠路198号

Member of the SGS Group (SGS SA)



### No.: GZHG1510042189CE

#### Date: Nov 03, 2015

Page 5 of 12

#### Annex-2: Retention system strength test results

Test Specification: EN 1385:2012-7.7

Ambient temperature at time of test: 22 °C

Sample No.	Condition	Dynamic extension (mm)	Result
2	Low temperature No reconditioning (Clause 7.5.2)	17.0	Pass
3	Artificial Ageing No reconditioning (Clause 7.5.4)	13.6	Pass

#### Annex-3: Retention system effectiveness test results

Test Specification: EN 1385:2012-7.8

Ambient temperature at time of test: 22 ºC

Sample No.	Distance of moves (mm)	Result
1	31	Pass

### II. Analysis of AZO Dye and to Determine the PH Value in the submitted sample.

SGS Ref No.: CAN15-182961

Test Requested	Result
To determine the pH Value in the submitted sample(s).	See Results
Determination of Azodyes in the submitted sample(s) with reference to the Entry 43 of Regulation (EC) No. 552/2009 amending Annex XVII of REACH Regulation (EC) No. 1907/2006 (previously restricted under Directive 2002/61/EC).	PASS

Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description
SN1	CAN15-182961.001	Gray foam
SN2	CAN15-182961.002	Black strap

## Remarks :

- (1) 1 mg/kg = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected ( < MDL )
- (4) "-" = Not Regulated



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@gs.com

[8] Keizu Red&Gointeh Park Guarginu Economic & testing/DelegamentDistricGuarginuc/Lina 510663 t (86-20) 82155555 f (86-20) 82075191
www.sgsgroup.com.cn

prime: rpm + cdistrict rpm + cdistrify rpm + cdistrict rpm + cdistri



No.: GZHG1510042189CE

Date: Nov 03, 2015

Page 6 of 12

### pH value

Test Method : With reference to ISO 3071:2005, extracted by KCI solution, analysis was performed by pH meter.

Test Item(s)	<u>001</u>	<u>002</u>
pH value	6.9	5.1

### Azo Dyes

Test Method : With reference to EN 14362-1 :2012 - Analysis was conducted with GC-MS/HPLC-DAD.

<u>Test Item(s)</u>	CAS NO.	<u>Limit</u>	<u>Unit</u>	MDL	<u>001</u>	<u>002</u>
4-Aminobiphenyl	92-67-1	30	mg/kg	5	ND	ND
Benzidine	92-87-5	30	mg/kg	5	ND	ND
4-chloro-o-toluidine	95-69-2	30	mg/kg	5	ND	ND
2-naphthylamine	91-59-8	30	mg/kg	5	ND	ND
o-aminoazotoluene	97-56-3	30	mg/kg	5	ND	ND
5-nitro-o-toluidine /	99-55-8	30	mg/kg	5	ND	ND
2-Amino-4-nitrotoluene						
4-chloroaniline	106-47-8	30	mg/kg	5	ND	ND
4-methoxy-m-phenylenediamine	615-05-4	30	mg/kg	5	ND	ND
/ 2,4-Diaminoanisole						
4,4'-diaminodiphenylmethane	101-77-9	30	mg/kg	5	ND	ND
3,3'-dichlorobenzidine	91-94-1	30	mg/kg	5	ND	ND
3.3'-dimethoxybenzidine	119-90-4	30	mg/kg	5	ND	ND
3,3'-dimethylbenzidine	119-93-7	30	mg/kg	5	ND	ND
3,3'-Dimethyl-4,4'-diaminodiphe	838-88-0	30	mg/kg	5	ND	ND
nylmethane /						
4,4'-methylenedi-o-toluidine						
p-cresidine	120-71-8	30	mg/kg	5	ND	ND
4,4'-methylene-bis-	101-14-4	30	mg/kg	5	ND	ND
(2-chloroaniline)						
4,4'-oxydianiline	101-80-4	30	mg/kg	5	ND	ND
4,4'-thiodianiline	139-65-1	30	mg/kg	5	ND	ND
o-toluidine	95-53-4	30	mg/kg	5	ND	ND
4-methyl-m-phenylenediamine /	95-80-7	30	mg/kg	5	ND	ND
2,4-Toluylendiamine			00			
2,4,5-trimethylaniline	137-17-7	30	mg/kg	5	ND	ND
4-aminoazobenzene	60-09-3	30	mg/kg	5	ND	ND
O-Anisidine	90-04-0	30	mg/kg	5	ND	ND
Conclusion					PASS	PASS

中国·广州·经济技术开发区科学城科珠路198号



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="http://www.sgs.com/en/Terms-and-Conditions.aspx">http://www.sgs.com/en/Terms-and-Conditions.aspx</a> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="http://www.sgs.com/en/Terms-and-Conditions">http://www.sgs.com/en/Terms-and-Conditions.aspx</a> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="http://www.sgs.com/en/Terms-and-Conditions/Terms-en-Document.aspx">http://www.sgs.com/en/Terms-and-Conditions/Terms-en-Document.aspx</a>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction form exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or faisification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: Ch.Doccheck@gs.com</a>. [18/ Kein Kad&deinteh Pat Gungrinu Emonie & Testing VelopmentDistricGungrinu\_China 510663 t (86-20) 82155555 f (86-20) 82075191 www.sgsgroup.com.com</a>.

Member of the SGS Group (SGS SA)



No.: GZHG1510042189CE

Date: Nov 03, 2015

Notes :

(1)Test specimen was taken randomly from the sample submitted by client/applicant.
(2)Whenever 4-aminodiphenyl (CAS number 92-67-1), 2-naphylamine (CAS number 91-59-8) and 4-methoxy-m-phenylene-diamine (CAS number 615-05-4) is found, the use of banned azo colorants cannot be reliably ascertained without additional information, e.g. the chemical structure of the colorants used.

(3)In case polyurethane materials are used, e.g. PU foams and coatings and in prints, it cannot be ruled out that certain amines, e.g. 4,4'-methylene-dianiline (MDA, CAS number 101-77-9) and 2,4-toluylen-diamine (TDA, CAS number 95-80-7) are released from the PU component and not from a banned azo colorant.

(4)In case of pigment prints care has to be taken that 4,4'-methylene-dianiline (MDA, CAS number 101-77-9) is not released from a source of banned azo colorants but from e.g. a chemical fixing agent. Requirement : ≤ 30 mg/kg for each aromatic amine according to Requirement of Entry 43 of Regulation (EC) No. 552/2009 amending Annex XVII of REACH Regulation (EC) No. 1907/2006 (previously restricted under Directive 2002/61/EC).







Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) test dand such sample(s) are related for 30 days only. Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

中国・广州・经济技术开发区科学城科珠路198号



### No.: GZHG1510042189CE

Date: Nov 03, 2015

Page 8 of 12



### III. Colour Fastness to Perspiration.

SGS Ref. No.: GZSL1510105114TX

Two samples of Water Sport Helmet marked as (A) grey padding (B) black strap.

### Test Result:

### **Colour Fastness To Perspiration**

(ISO 105-E04:2013 test specimen in vertical position.)

Acid	$(\Lambda)$	(B)
Change in shade	<u>(A)</u> 4-5	<u>(B)</u> 4-5
Staining on multi-fiber stripe		4 5
Acetate Cotton	4-5 4-5	4-5 4-5
Nylon	4-5	4-5
Polyester	4-5	4-5
Acrylic	4-5	4-5
Wool	4-5	4-5
Alkaline		
	<u>(A)</u> 4-5	<u>(B)</u> 4-5
Change in shade	4-5	4-5
Staining on multi-fiber stripe		
Acetate	4-5	4-5
Cotton	4-5	4-5
Nylon	4-5	4-5
Polyester	4-5	4-5
Acrylic Wool	4-5 4-5	4-5 4-5
	+	

Remark: Grey Scale rating is based on the 5-step scale of 1 to 5, where 1 is bad and 5 is good



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@gs.com

[8] Keizu Red&Gointeh Park Guarginu Economic & testing/DelegamentDistricGuarginuc/Lina 510663 t (86-20) 82155555 f (86-20) 82075191
www.sgsgroup.com.cn

prime: rpm + cdistrict rpm + cdistrify rpm + cdistrict rpm + cdistri

Requirement

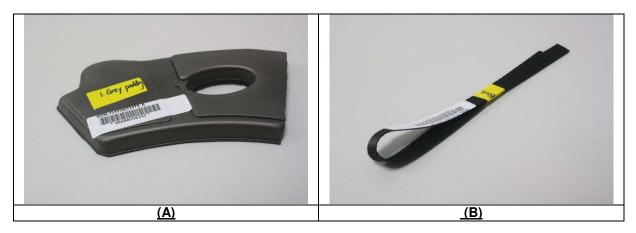


No.: GZHG1510042189CE

Date: Nov 03, 2015

Page 9 of 12

Sample photo:



#### Remark:

- 1. Pass means the test sample met the requirement of the test item.
- 2. N/A means not applicable.
- N/T means not tested as per client's request.
- 3. A material list for each part of the helmet and a statement to announce the material complying with requirements of the standard are received from the manufacturer

#### Sample photos:





Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-enDocument.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com

中国 · 广州 · 经济技术开发区科学城科珠路198号

Member of the SGS Group (SGS SA)



No.: GZHG1510042189CE

Date: Nov 03, 2015

Page 10 of 12





Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document. This document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document refer only to the sample(s) tested and such sample(s) are retained for 30 days only. Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 83071443, or email: CN.Doccheck@sgs.com

中国・广州・经济技术开发区科学城科珠路198号

198 Kezhu Road, Scientech Park Guangzhou Economic & Technology Development District, Guangzhou, China 510663 t (86–20) 82155555 f (86–20) 82075191 www.sgsgroup.com.cn 邮编: 510663 t (86-20) 82155555 f (86-20) 82075191 e sgs.china@sgs.com

Member of the SGS Group (SGS SA)



#### No.: GZHG1510042189CE

### Date: Nov 03, 2015

Page 11 of 12





Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document. This document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document refer only to the sample(s) tested and such sample(s) are retained for 30 days only. Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 83071443, or email: CN.Doccheck@sgs.com

中国·广州·经济技术开发区科学城科珠路198号

198 Kezhu Road, Scientech Park Guangzhou Economic & Technology Development District, Guangzhou, China 510663 t (86–20) 82155555 f (86–20) 82075191 www.sgsgroup.com.cn 邮编: 510663 t (86-20) 82155555 f (86-20) 82075191 e sgs.china@sgs.com

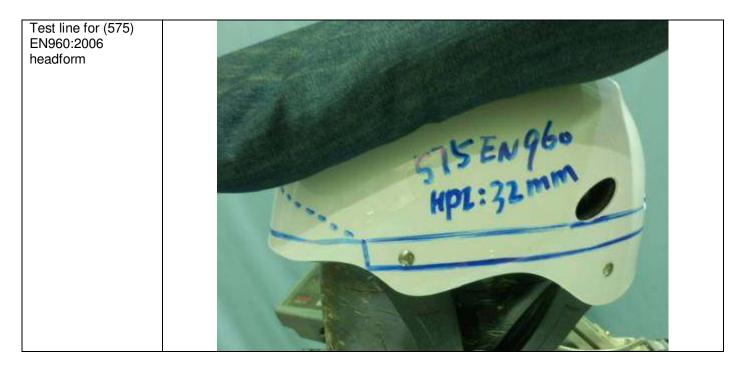
Member of the SGS Group (SGS SA)



### No.: GZHG1510042189CE

### Date: Nov 03, 2015

Page 12 of 12



\*\*\*End of Report\*\*\*



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-enDocument.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com

中国 · 广州 · 经济技术开发区科学城科珠路198号

Member of the SGS Group (SGS SA)