

## Test Report

No.: GZHL1803011267CE-01

Date: May 24, 2018

Page 1 of 14

FOSHAN SHUNDE QUANXIANG SPORTS GOODS CO. LTD.  
FOSHAN SHUNDE BEJIAO XIHAI INDUSTRIAL ZONE

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

Sample Description : BACK PROTECTOR  
Style / Item No. : PS06/PS07/PS08  
Size : S/L/XL  
Level : 1  
Buyer : FOSHAN SHUNDE QUANXIANG SPORTS GOODS CO. LTD.  
Manufacturer : FOSHAN SHUNDE QUANXIANG SPORTS GOODS CO. LTD.  
Country of Origin : CHINA  
Country of Destination : EUROPEAN UNION  
Test Performed : EN 1621-2:2014,  
Analysis of Azo Dye,  
To Determine the pH Value,  
Color Fastness to Perspiration  
Sample Receiving Date : Mar 29, 2018  
Test Performing Date : Mar 29, 2018 to May 08, 2018  
Test Result(s) : For further details, please refer to the following page(s)

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



Lell Wu  
Approved Signatory



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

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-Documents.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](mailto:CN.Doccheck@sgs.com)

198 Kezhu Road, Sciencetech Park Guangzhou Economic & Technology Development District, Guangzhou, China 510663 t (86-20) 82155555 f (86-20) 82075191 www.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](mailto:sgs.china@sgs.com)

**I. Test Conducted:** Based on **EN 1621-2:2014** Motorcyclists' protective clothing against mechanical impact Part 2: Motorcyclists' back protectors —Requirements and test methods

**Test Results:** Details shown as following table

| Clause                 | Test Method/Requirement   | Result  |         |                     |                    |                        |                        |      |
|------------------------|---|---------|---------|---------------------|--------------------|------------------------|------------------------|------|
| 4                      | Requirements  |         |         |                     |                    |                        |                        |      |
| 4.1                    | <b>General</b><br>Motorcyclists' back protectors shall meet an overall requirement that they are safe to use, comfortable to wear and fit for their purpose.<br>Back protectors shall be provided with means of restraint and/or adjustments capable to ensure that the protector is maintained in position during use. This requirement is not applicable for protectors to be inserted or incorporated into garments. Testing shall be carried out according to 5.2.  | ---     |         |                     |                    |                        |                        |      |
| 4.2                    | <b>Innocuousness</b><br>The innocuousness shall comply with the requirements of EN 1621-1.  | Pass    |         |                     |                    |                        |                        |      |
| 4.3                    | <b>Minimum dimensions of zones of protection</b><br>Motorcyclists' back protectors shall have a minimum zone of protection related to the waist to shoulder measure of the largest user indicated by the marking. The minimum dimensions of the zone of protection shall be determined from Table 1, for the upper value of the size range (see 4.6).<br>The dimensions and position of the zone of protection, relative to the coverage provided by the whole product, shall be given in the information supplied by the manufacturer (see Clause 7).<br>NOTE The minimum dimensions of the zones of protection are usually marked on the specimens during the testing procedures.   | Pass    |         |                     |                    |                        |                        |      |
| 4.4                    | <b>Impact attenuation</b><br>When impact protection is tested in accordance with 5.1.6.1 (ambient impact test), 5.1.6.2 (wet impact test) and, if required, 5.1.6.3 (high temperature impact test) and/or 5.1.6.4 (low temperature impact test), the transmitted force shall conform to the values in Table 2. Level 1 or 2 cannot be awarded unless such level is achieved under all of the claimed test conditions.<br><div>Table 2 — Performance levels<div><table><tr><th>Level 1</th><th>Level 2</th></tr><tr><td>mean value: ≤ 18 kN</td><td>mean value: ≤ 9 kN</td></tr><tr><td>single strike: ≤ 24 kN</td><td>single strike: ≤ 12 kN</td></tr></table></div></div><br>After each test, there shall be no fragmentation of the sample and no sharp edges shall be formed. However, formation of cracks and loss of soft debris is permissible. | Level 1 | Level 2 | mean value: ≤ 18 kN | mean value: ≤ 9 kN | single strike: ≤ 24 kN | single strike: ≤ 12 kN | Pass |
| Level 1                | Level 2   |         |         |                     |                    |                        |                        |      |
| mean value: ≤ 18 kN    | mean value: ≤ 9 kN  |         |         |                     |                    |                        |                        |      |
| single strike: ≤ 24 kN | single strike: ≤ 12 kN  |         |         |                     |                    |                        |                        |      |



| Clause | Test Method/Requirement  | Result |
|--------|--|--------|
| 4.5    | <b>Ergonomic Requirements</b><br>When examined and tested in accordance with 5.2, back protectors shall be found satisfactory for the use intended for motorcycle as indicated in the information supplied by the manufacturer. The centre line of the protective area shall be in line with the vertebra; the lower back protector shall cover the lumbar region of the back. The requirements are fulfilled if all answers to 5.2.2 are "Yes".<br><br>Following questions were answered with "Yes" by assessor(s):<br>a) Can you get on and off a motorcycle?<br>b) Can you comfortably reach the controls of the motorcycle?<br>c) Can you turn your head and torso when on a motorcycle?<br>d) While performing the movements of a), b) and c):<br>1) Can you confirm that the adjustment system, if present, does not cause discomfort?<br>2) Does the adjustment system, if present, securely hold the protector in place? | Pass   |
| 4.6    | <b>Sizing and size marking</b><br>Motorcyclists' back protectors shall be marked with their sizing using a pictogram (see Figure 6) in accordance with Figure 1.<br>The waist to shoulder length, expressed in centimetres, shall be specified as a range up to max. 5 cm. Testing is done according to 5.2.   | NT     |
| 6      | <b>Marking</b><br>Motorcyclists' back protectors shall be permanently and clearly marked with at least the following information:  | ---    |
|        | a) Name and/or registered trade mark of the manufacturer or his authorized representative;   | NT     |
|        | b) Identification of the product type, commercial name or code;  | NT     |
|        | c) A graphical representation showing:<br>1) The type of protector:<br>i) "FB" for full back protector;<br>ii) "CB" for central back protector; or<br>iii) "LB" for lower back protector;<br>2) The performance level concerning the impact attenuation in accordance with 4.4:<br>i) "T+" if the high temperature impact test is passed (if the test is not claimed, the space is vacant);<br>ii) "T-" if the low temperature impact test is passed (if the test is not claimed, the space is vacant).<br>A suitable graphical representation is shown in Figure 6;   | NT     |
|        | d) A graphical representation showing the size range of the protector (waist to shoulder length as described in 4.6). A suitable graphical representation is shown in Figure 6;  | NT     |
|        | e) Number and year of this European Standard (EN 1621-2:2014);   | NT     |
|        | f) At the discretion of the manufacturer, the graphical symbol according to ISO 7000-1641 ("i" in a book) may be placed on the protector.  | NT     |
| 7      | <b>Information supplied by the manufacturer</b>  |        |
|        | Motorcyclists back protectors shall be supplied with information and instructions for fitting, use and maintenance. These are an essential part of protective equipment. They shall contain at least the following information in the official language(s) of the state or region in which they are placed on the market. The following information shall be given:  | ---    |





| Clause | Test Method/Requirement   | Result |
|--------|---|--------|
|        | a) name and full address of the manufacturer and/or his authorized representative;  | NT     |
|        | b) type of use for which the protector is intended including any relevant restrictions;   | NT     |
|        | c) hazards specific to motorcycling against which some protection is given;   | NT     |
|        | d) hazards specific to motorcycling against which protection is NOT given;  | NT     |
|        | e) care instructions and/or international care symbols;   | NT     |
|        | f) product identification in accordance with above b) and c);   | NT     |
|        | g) number of the European Standard and year of publication (EN 1621-2:2014);  | NT     |
|        | h) explanation of the pictogram and other symbols used;   | NT     |
|        | instruction for use:<br>1) fitting, how to put on and off, if relevant;<br>2) performance of impact attenuation not better than as recorded during technical tests;<br>3) limitations on use (e.g. temperature range, exchange after being exposed to an impact, ageing);<br>4) instructions for storage and maintenance;<br>5) instruction for cleaning;<br>6) appropriate warning against problems which could arise from particular properties or misuse, or alteration or ageing of the protector (e.g. cutting off parts, chemical contaminations);<br>7) if helpful illustrations, part numbers, etc. shall be added; | NT     |
|        | j) the type of packaging suitable for transport if relevant;  | NT     |
|        | k) all the information required in Clause 6, including explanation of the elements and performance levels detailed on the marking;  | NT     |
|        | l) instruction on how to adjust the back protector and the restraint system, if applicable;   | NT     |
|        | m) a warning about any changes in environmental conditions, such as temperature, that would significantly reduce the performance of the back protector;   | NT     |
|        | n) dimensions of the zone of protection, relative to the coverage provided by the whole product;<br>Warning: no scapula protection in case of central back protector;<br>Warning: no upper back protection in case of lumbar protector;   | NT     |
|        | o) information on the selection of the correct size of the device; including the information that one single size cannot fit all body dimensions (height and shape) and a warning to avoid choosing too big of a protector because interference with helmet may occur, resulting in a dangerous riding condition:<br>The information of the note of Definition 3.5 may be given to the users;   | NT     |
|        | p) a warning that no back protector can offer full protection against injury;   | NT     |
|        | q) a specific warning that spinal injuries will not be prevented by the back protector;   | NT     |
|        | r) a warning about any contamination, alteration to the back protector, or misuse that would dangerously reduce the performance of the back protector;  | NT     |



| Clause | Test Method/Requirement  | Result |
|--------|--|--------|
|        | s) instructions for caring and cleaning the back protector;  | NT     |
|        | t) instructions concerning inspection and repair of the back protector, when to replace it and how to decide if it no longer provides adequate protection. | NT     |

**Model: PS06/PS07/PS08**
**Type: FB**
**Level: 1**
**Requested energy: 50J**
**Annex 1: Force transmission test result**

Test Specification: EN 1621-2:2014-5.1

Ambient temperature at time of test: 22 °C

| Samples No.                           | Test site | Size        | Peak force (KN) | Requirement for single value | Result | Mean value (KN) | Requirement for mean value | Result |
|---------------------------------------|-----------|-------------|-----------------|------------------------------|--------|-----------------|----------------------------|--------|
| 1<br>(5.1.6.1<br>Ambient impact test) | 1         | S<br>380mm  | 3.79            | Level 1: 24kN                | Pass   | 3.90            | Level 1: 18kN              | Pass   |
|                                       | 2         |             | 4.09            |                              | Pass   |                 |                            |        |
|                                       | 3         |             | 4.27            |                              | Pass   |                 |                            |        |
|                                       | 4         |             | 2.85            |                              | Pass   |                 |                            |        |
|                                       | 5         |             | 4.51            |                              | Pass   |                 |                            |        |
| 2<br>(5.1.6.1<br>Ambient impact test) | 1         | L<br>460mm  | 4.03            |                              | Pass   | 4.20            |                            | Pass   |
|                                       | 2         |             | 4.27            |                              | Pass   |                 |                            |        |
|                                       | 3         |             | 3.79            |                              | Pass   |                 |                            |        |
|                                       | 4         |             | 4.74            |                              | Pass   |                 |                            |        |
|                                       | 5         |             | 4.15            |                              | Pass   |                 |                            |        |
| 3<br>(5.1.6.1<br>Ambient impact test) | 1         | XL<br>480mm | 3.59            |                              | Pass   | 4.20            |                            | Pass   |
|                                       | 2         |             | 4.27            |                              | Pass   |                 |                            |        |
|                                       | 3         |             | 4.51            |                              | Pass   |                 |                            |        |
|                                       | 4         |             | 4.27            |                              | Pass   |                 |                            |        |
|                                       | 5         |             | 4.36            |                              | Pass   |                 |                            |        |
| 4<br>(5.1.6.2<br>wet impact test)     | 1         | L<br>460mm  | 4.27            |                              | Pass   | 4.20            |                            | Pass   |
|                                       | 2         |             | 4.27            |                              | Pass   |                 |                            |        |
|                                       | 3         |             | 3.88            |                              | Pass   |                 |                            |        |
|                                       | 4         |             | 4.27            |                              | Pass   |                 |                            |        |
|                                       | 5         |             | 4.30            |                              | Pass   |                 |                            |        |


 SGS-CSTC Shanghai Technical Services Co., Ltd.  
 Guangzhou Branch Testing Center Harlines

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-Documents.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

198 Kezhu Road, Science Park Guangzhou Economic & Technology Development District, Guangzhou, China 510663 t (86-20) 82155555 f (86-20) 82075191 www.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

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

SGS Ref No.: CAN18-069136

| 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 Commission 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          | CAN18-069136.001 | Black fabric            |
| SN2          | CAN18-069136.002 | Black fabric(with hole) |
| SN3          | CAN18-069136.003 | Black fabric(lining)    |

Remarks :

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

**pH value.**

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

| Test Item(s) | <u>001</u> | <u>002</u> | <u>003</u> |
|--------------|------------|------------|------------|
| pH value     | 6.4        | 6.6        | 6.4        |

**Azo Dyes.**

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

| Test Item(s)    | CAS NO. | Unit  | MDL | <u>001</u> | <u>002</u> | <u>003</u> |
|-----------------|---------|-------|-----|------------|------------|------------|
| 4-Aminobiphenyl | 92-67-1 | mg/kg | 5   | ND         | ND         | ND         |
| Benzidine       | 92-87-5 | mg/kg | 5   | ND         | ND         | ND         |



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-Documents.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

SGS-CSTC (China) Technical Services Co., Ltd.  
Guangzhou Branch Testing Center Harlines

198 Kezhu Road, Science Park Guangzhou Economic & Technology Development District, Guangzhou, China 510663 t (86-20) 82155555 f (86-20) 82075191 www.sgs.com.cn  
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

## Test Report

No.: GZHL1803011267CE-01

Date: May 24, 2018

Page 7 of 14

|                                 |          |       |   |    |    |    |
|---------------------------------|----------|-------|---|----|----|----|
| 4-chloro-o-toluidine            | 95-69-2  | mg/kg | 5 | ND | ND | ND |
| 2-naphthylamine                 | 91-59-8  | mg/kg | 5 | ND | ND | ND |
| o-aminoazotoluene               | 97-56-3  | mg/kg | 5 | ND | ND | ND |
| 5-nitro-o-toluidine /           | 99-55-8  | mg/kg | 5 | ND | ND | ND |
| 2-Amino-4-nitrotoluene          |          |       |   |    |    |    |
| 4-chloroaniline                 | 106-47-8 | mg/kg | 5 | ND | ND | ND |
| 4-methoxy-m-phenylenediamine    | 615-05-4 | mg/kg | 5 | ND | ND | ND |
| / 2,4-Diaminoanisole            |          |       |   |    |    |    |
| 4,4'-diaminodiphenylmethane     | 101-77-9 | mg/kg | 5 | ND | ND | ND |
| 3,3'-dichlorobenzidine          | 91-94-1  | mg/kg | 5 | ND | ND | ND |
| 3,3'-dimethoxybenzidine         | 119-90-4 | mg/kg | 5 | ND | ND | ND |
| 3,3'-dimethylbenzidine          | 119-93-7 | mg/kg | 5 | ND | ND | ND |
| 3,3'-Dimethyl-4,4'-diaminodiphe | 838-88-0 | mg/kg | 5 | ND | ND | ND |
| nylmethane /                    |          |       |   |    |    |    |
| 4,4'-methylenedi-o-toluidine    |          |       |   |    |    |    |
| p-cresidine                     | 120-71-8 | mg/kg | 5 | ND | ND | ND |
| 4,4'-methylene-bis-             | 101-14-4 | mg/kg | 5 | ND | ND | ND |
| (2-chloroaniline)               |          |       |   |    |    |    |
| 4,4'-oxydianiline               | 101-80-4 | mg/kg | 5 | ND | ND | ND |
| 4,4'-thiodianiline              | 139-65-1 | mg/kg | 5 | ND | ND | ND |
| o-toluidine                     | 95-53-4  | mg/kg | 5 | ND | ND | ND |
| 4-methyl-m-phenylenediamine /   | 95-80-7  | mg/kg | 5 | ND | ND | ND |
| 2,4-Toluylenediamine            |          |       |   |    |    |    |
| 2,4,5-trimethylaniline          | 137-17-7 | mg/kg | 5 | ND | ND | ND |
| 4-aminoazobenzene               | 60-09-3  | mg/kg | 5 | ND | ND | ND |
| O-Anisidine                     | 90-04-0  | mg/kg | 5 | ND | ND | ND |

### Notes :

- (1) Test specimen was taken randomly from the sample submitted by client/applicant.
- (2) Whenever 4-aminodiphenyl (CAS number 92-67-1), 2-naphthylamine (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.
- (5) Test was conducted on composite sample as per client's request and the test result is the overall result of a composite sample. Therefore, no references can be made to the result of each component in the composite sample.

Requirement :  $\leq 30$  mg/kg for each of 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).



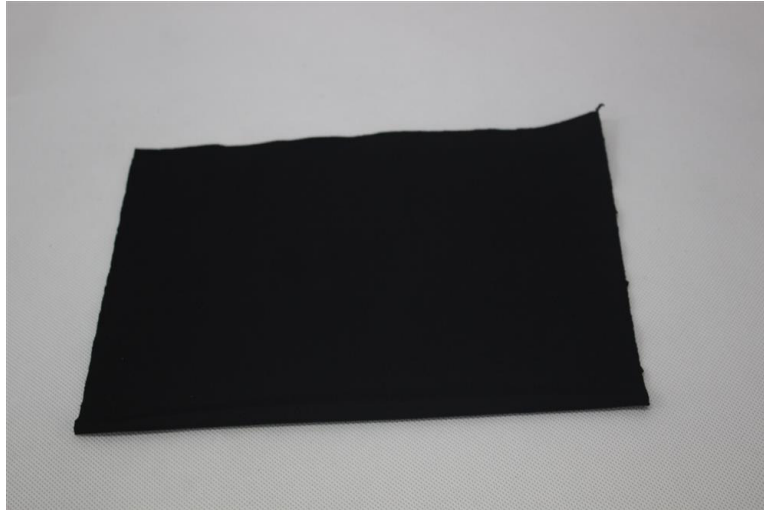
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.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

198 Kezhu Road, Science Park Guangzhou Economic & Technology Development District, Guangzhou, China 510663 t (86-20) 82155555 f (86-20) 82075191 www.sgs.com.cn  
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



Sample photo:.



Product Photo



Product Photo



SGS-CSTC (China) Technical Services Co., Ltd.  
Guangzhou Branch Testing Center Harolines

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-Documents.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](mailto:CN.Doccheck@sgs.com)

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





Product Photo

### III. Colour Fastness to Perspiration.

1. SGS Ref. No.: SL918092240152TX  
One sample of items marked as (B)black mesh fabric

#### Test Result:

#### Requirement

#### Colour Fastness To Perspiration

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

#### Acid

|                                |     |   |
|--------------------------------|-----|---|
|                                | (B) |   |
| Change in shade                | 4-5 | / |
| Staining on multi-fiber stripe |     | / |
| Acetate                        | 4-5 |   |
| Cotton                         | 4-5 |   |
| Nylon                          | 4-5 |   |
| Polyester                      | 4-5 |   |
| Acrylic                        | 4-5 |   |
| Wool                           | 4   |   |

#### Alkaline

|                                |     |   |
|--------------------------------|-----|---|
|                                | (B) |   |
| Change in shade                | 4-5 | / |
| Staining on multi-fiber stripe |     | / |
| Acetate                        | 4-5 |   |



## Test Report

No.: GZHL1803011267CE-01

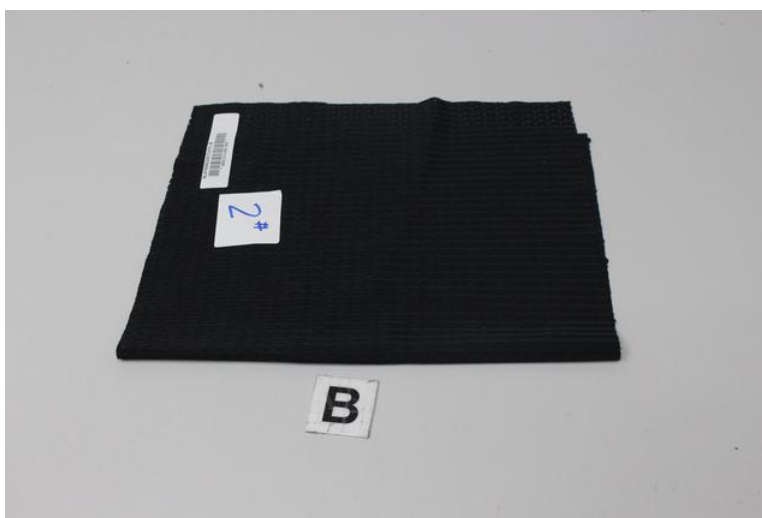
Date: May 24, 2018

Page 10 of 14

|           |     |
|-----------|-----|
| Cotton    | 4-5 |
| Nylon     | 4-5 |
| Polyester | 4-5 |
| Acrylic   | 4-5 |
| Wool      | 4   |

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

### Sample Photo



2. SGS Ref. No.: SL918092347663TX

Two samples of items marked as (A)black fabric (B)black lining fabric.

### Test Result:

### Requirement

### Colour Fastness To Perspiration

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

#### Acid

|                                | (A) | (B) |   |
|--------------------------------|-----|-----|---|
| 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                        | 4-5 | 4-5 |   |
| Wool                           | 4-5 | 4-5 |   |



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-Documents.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

SGS-CSTC (China) Technical Services Co., Ltd.  
Guangzhou Branch Testing Center Harbin

198 Kezhu Road, Sciencetech Park Guangzhou Economic & Technology Development District, Guangzhou, China 510663 t (86-20) 82155555 f (86-20) 82075191 www.sgs.com.cn  
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

### Alkaline

|                                | (A) | (B) |   |
|--------------------------------|-----|-----|---|
| 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                        | 4-5 | 4-5 |   |
| Wool                           | 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

### Sample Photo



### Remark:

1. Pass means the test sample met the requirement of the test item.
2. NA means not applicable.  
NT means not tested as per client's request.
3. A material list for each part of the product and a statement to announce the material complying with requirements of the standard are received from the manufacturer
4. This test report is to supersede No. GZHL1803011267CE test report which was issued on Apr 04, 2018. And the original test reports (paper and electronic) are invalid.





## Test Report

No.: GZHL1803011267CE-01

Date: May 24, 2018

Page 12 of 14

### Sample Photo(s):

|            |  |
|------------|--|
| Front view |   |
| Back view  |  |





SGS-CSTC Guangzhou Branch  
Guangzhou Branch Testing Center Harbinlines

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-Documents.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](mailto:CN.Doccheck@sgs.com)

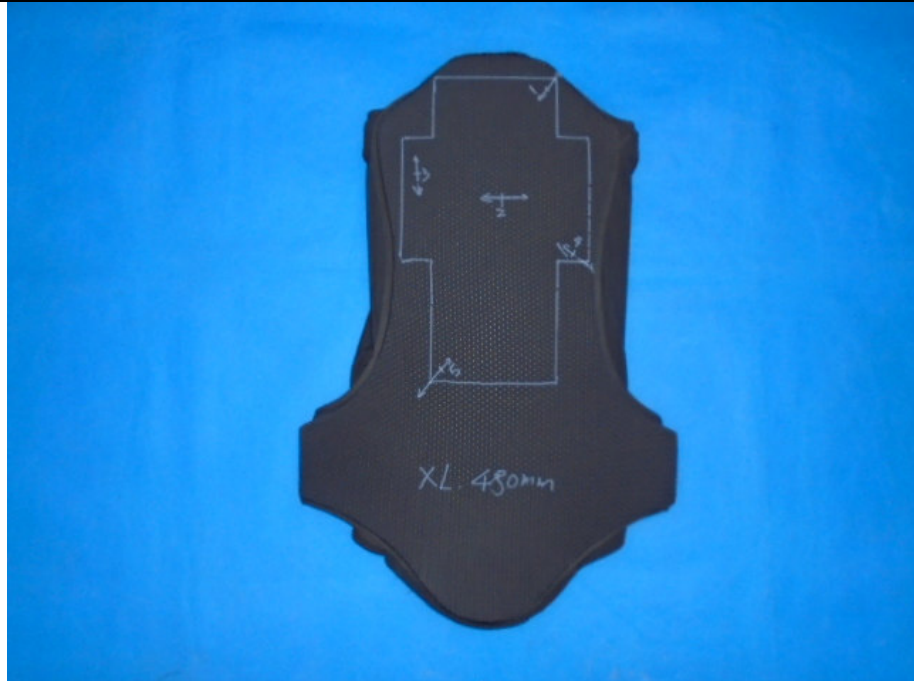
198 Kezhu Road, Sciencetech Park Guangzhou Economic & Technology Development District, Guangzhou, China 510663 t (86-20) 82155555 f (86-20) 82075191 www.sgs.com  
中国·广州·经济技术开发区科学城科珠路198号 邮编: 510663 t (86-20) 82155555 f (86-20) 82075191 e [sgs.china@sgs.com](mailto:sgs.china@sgs.com)



|                                      |  |
|--------------------------------------|--|
| <p>Test areas and test sites (S)</p> |   |
| <p>Test areas and test sites (L)</p> |  |



Test areas and test sites (XL)



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



SGS-CSTC (China) Technical Services Co., Ltd.  
Guangzhou Branch Testing Center Harolines

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-Documents.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](mailto:CN.Doccheck@sgs.com)

198 Kezhu Road, Science Park Guangzhou Economic & Technology Development District, Guangzhou, China 510663 t (86-20) 82155555 f (86-20) 82075191 www.sgs.com.cn  
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](mailto:sgs.china@sgs.com)