



## Test Report

No.: SHHL1604018603PL

Date: APR. 19, 2016

Page: 1 of 10

SHANGHAI LANSHENG LIGHT INDUSTRIAL PRODUCTS IMP. & EXP. CORP. LTD  
FLOOR 7-11, NO.1230 ZHONG SHAN (NORTH 1) ROAD, SHANGHAI 200437, CHINA

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

Sample Description : FAUCET  
SGS Ref. No. : NBHL1602001259SD  
Style/ Item No. : MY8220,MY2101,MY5104,MY9884,MY5103  
Manufacturer : WENZHOU KINGSDOM SANITARY WARE CO.,LTD  
Client Reference Information : MY8221,MY1107,MY1004,MY6009,MY1581-50,  
MY9508-71,MY1110,MY-S88  
Sample Receiving Date : APR. 12, 2016  
Testing Period : APR. 12, 2016 TO APR. 19, 2016  
Test Performed : SELECTED TEST(S) AS REQUESTED BY APPLICANT  
Test Requested : 1. DIMENSIONAL CHARACTERISTICS  
(ACCORDING TO EN 817:2008 CLAUSE 6)  
2. LEAKTIGHTNESS CHARACTERISTICS  
(ACCORDING TO EN 817:2008 CLAUSE 8)  
3. PRESSURE RESISTANCE CHARACTERISTICS  
(ACCORDING TO EN 817:2008 CLAUSE 9)  
4. MECHANICAL STRENGTH CHARACTERISTICS  
(ACCORDING TO EN 817:2008 CLAUSE 11)  
Test Result(s) : FOR FURTHER DETAILS, PLEASE REFER TO THE  
FOLLOWING PAGE(S)  
Conclusion : THE SUBMITTED SAMPLE MET THE TEST  
REQUIREMENT.

\*\*\*\*\*

Signed for and on behalf of  
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Yomoro Gu  
Authorized 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 <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)  
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. | Building, No.889, Yishan Road, Xuhui District Shanghai, China 200233 | t (86) 400 960 9661 | f (86-21) 6115 6899 | www.sgsgroup.com.cn  
中国·上海·徐汇区宜山路889号4号楼 邮编: 200233 | t (86) 400 960 9661 | f (86-21) 6115 6899 | e [sgs.china@sgs.com](mailto:sgs.china@sgs.com)

# Test Report

No.: SHHL1604018603PL

Date: APR. 19, 2016

Page: 2 of 10

## Test Conducted:

### 1. Dimensional characteristics (According to EN 817:2008 Clause 6)

### 2. Leaktightness Characteristics (According to EN 817:2008 Clause 8)

### 3. Pressure resistance characteristics (According to EN 817:2008 Clause 9)

### 4. Mechanical Strength Characteristics (According to EN 817:2008 Clause 11)

|                   | Style No. | Sample Size |
|-------------------|-----------|-------------|
| Test sample       | MY8220    | 1 piece     |
| Referenced sample | MY2101    | 1 piece     |
|                   | MY5104    | 1 piece     |
|                   | MY9884    | 1 piece     |
|                   | MY5103    | 1 piece     |

| Test Property                 | Test Principle / Requirements  | Result       | Rating |
|-------------------------------|--|--------------|--------|
| 6 Dimensional characteristics |  |              |        |
| 6.1 General remarks           | The design and construction of components without defined dimensions permit various design solutions to be adopted by the manufacturer. Special cases are covered in 6.5.  | See Below    | /      |
| 6.2 Inlet dimensions          | Inlet dimensions shall be as specified in Table 3.   | /            | N/A    |
| 6.3 Outlet dimensions         | Outlet dimensions shall be as specified in Table 4. When nozzle outlets are used with flow rate regulators conforming to EN 246, the manufacturing tolerances chosen for the connecting threads of the outlets shall be compatible with those of the connecting threads of the flow rate regulators in order to ensure interchangeability. | See Result 1 | Pass   |
| 6.4 Mounting dimensions       | Mounting dimensions shall be as specified in Table 5.  | See Result 1 | 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-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**  
 # Building, No.889, Yishan Road, Xuhui District Shanghai, China 200233 t (86) 400 960 9661 f (86-21) 6115 6899 www.sgsgroup.com.cn  
 中国·上海·徐汇区宜山路889号4号楼 邮编: 200233 t (86) 400 960 9661 f (86-21) 6115 6899 e sgs.china@sgs.com

| Test Property  | Test Principle / Requirements  | Result                | Rating |
|--|--|-----------------------|--------|
| 6.5 Special cases  | <p>Mechanical mixing valves intended for special applications, e.g. for installation on sanitary appliances not conforming with European Standards, or where dimensional interchangeability is not a requirement can incorporate dimensional deviations provided that:</p> <ul style="list-style-type: none"> <li>- all other requirements of this standard are satisfied;</li> <li>- secure fixing to the mounting surface is provided with all fixing holes covered;</li> <li>- thread connections to the supply pipes comply with EN ISO 228-1;</li> <li>- the air gap dimension <math>E \geq 25</math> mm or a backflow prevention device is provided in accordance with EN1717.</li> <li>- the <math>D_1</math> dimension is coordinated with the sanitary appliance.</li> </ul> <p>The manufacturer's literature including the installation instructions supplied with the tapware shall indicate clearly that the tapware is for special application.</p> | /                     | N/A    |
| 6.6 Flexible hoses for shower outlets  | Requirements for flexible hoses for shower outlets shall be as specified in EN 1113.   | /                     | N/A    |
| 6.7 Shower Outlets   | Requirements for shower outlets shall be as specified in EN 1112.  | /                     | N/A    |
| <b>8 Leaktightness Characteristics</b>   |  |                       |        |
| 8.3 Leaktightness of the obturator and of the mixing valve upstream of the obturator with the obturator in the closed position | <p>Apply to the inlet of the mixing valve a water pressure of <math>(1,6 \pm 0,05)</math> MPa [<math>(16,0 \pm 0,5)</math> bar] and maintain it for <math>(60 \pm 5)</math> s.; during this period, move the temperature control device over its full operating range.</p> <p>Requirments:<br/>           Verification of leaktightness upstream of the obturator – There shall be no leakage or seepage through the walls throughout the duration of the test.<br/>           Verification of leaktightness of the obturator – There shall be no leakage of the obturator throughout the duration of the test.</p>  | No leakage or seepage | 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-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)

Building, No.889, Yishan Road, Xuhui District Shanghai, China 200233 t (86) 400 960 9661 f (86-21) 6115 6899 www.sgsgroup.com.cn  
 中国·上海·徐汇区宜山路889号4号楼 邮编: 200233 t (86) 400 960 9661 f (86-21) 6115 6899 e [sgs.china@sgs.com](mailto:sgs.china@sgs.com)

| Test Property   | Test Principle / Requirements   | Result                | Rating |
|---|---|-----------------------|--------|
| 8.4 Leaktightness of the mixing valve downstream of the obturator with the obturator open | With the outlet orifice(s) artificially closed, and the obturator open;<br>Apply to the inlet of the mixing valve a water pressure of (0,4±0,02) MPa [(4,0±0,2) bar] and maintain it for (60±5) s; during this period, move the temperature control device over its full operating range;<br>Reduce gradually the pressure to (0,02±0,002) MPa [(0,2±0,02) bar] and maintain it for (60±5) s.<br>Requirements:<br>Throughout the duration of the test there shall be no leakage, or seepage through the walls.  | No leakage or seepage | Pass   |
| 8.5 Leaktightness of manually operated diverter:  | - Flow to bath<br>Apply a static water pressure of (0,4±0,02) MPa [(4,0±0,2) bar] and maintain it for (60±5) s;<br>Gradually reduce the pressure to (0,02±0,002) MPa [(0,2±0,02) bar] and maintain it for (60±5) s;<br><br>There shall be no leakage at the outlet to shower.   | No diverter           | N/A    |
|   | -Flow to shower<br>Apply a static water pressure of (0,4±0,02) MPa [(4,0±0,2) bar] and maintain it for (60 ± 5) s;<br>Gradually reduce the pressure to (0,02±0,002) MPa [(0,2±0,02) bar] and maintain it for (60±5) s;<br><br>There shall be no leakage at the outlet to bath.  | No diverter           | N/A    |
| 8.6 Leaktightness and operation of diverter with automatic return:                        | - Flow to bath<br>Put the diverter in the flow-to-bath mode with the outlets to bath and shower open;<br>Apply a dynamic pressure of (0,4±0,02) MPa [(4,0±0,2) bar] and maintain it for (60±5) s;<br><br>There shall be no leakage at the outlet to shower.   | No diverter           | N/A    |
|   | -Flow to shower<br>Put the diverter in the flow-to-shower mode with the outlets to bath and shower open;<br>Apply a dynamic pressure of (0,4±0,02) MPa [(4,0±0,2) bar] and maintain it for (60±5) s;<br>Check for leakage at the outlet to bath;<br>Gradually reduce the pressure to (0,05±0,002) MPa [(0,5±0,02) bar] and maintain it for (60±5) s;<br><br>There shall be no leakage at the outlet to bath whilst the diverter remains in the flow to shower position;<br>The diverter shall not return to the flow to bath position at any pressure ≥ 0.05±0.002 MPa;<br>The diverter shall return to the flow to bath position when the obturator is closed. | No diverter           | N/A    |



| Test Property   | Test Principle / Requirements  | Result                   | Rating |
|---|--|--------------------------|--------|
|   | Continuation procedure: flow to bath<br>Re-open the mixing valve obturator;<br>Re-apply a dynamic pressure of (0,05±0,002) MPa [(0,5±0,02) bar] and maintain it for (60±5) s.<br><br>Requirement<br>There shall be no leakage at the outlet to shower.   | No diverter              | N/A    |
| 8.7 Leaktightness of the obturator: cross flow between hot water and cold water       | With the outlet orifice open and the obturator closed, apply a water pressure of (0,4±0,02) MPa [(4±0,2) bar] to the mixing valve and maintain it for (60±5) s; in this period, move the temperature control device over its full operating range;<br>Repeat the test, reversing the water supply connection to the other inlet.<br><br>Throughout the duration of the test, there shall be no leakage or seepage at the outlet or at the end of the unconnected inlet.  | No leakage or seepage    | Pass   |
| <b>9 Pressure resistance characteristics</b>  |  |                          |        |
| 9.4 Mechanical behaviour upstream of the obturator – obturator in the closed position | With the obturator closed;<br>Apply at the mechanical mixing valve inlet a static water pressure of (2,5±0,05) MPa [(25,0±0,5) bar] and maintain it for (60±5) s;<br><br>Throughout the duration of the test, there shall be no permanent deformation of any part of the mixing valve.   | No permanent deformation | Pass   |
| 9.5 Mechanical behaviour downstream of the obturator – obturator in the open position | Open the mixing valve obturator fully;<br>For mixing valves with a flow rate regulator fitted, apply at the mixing valve inlet a dynamic water pressure of (0,4±0,02) MPa [(4,0±0,2) bar] and maintain it for (60±5) s;<br>For mechanical mixing valves without flow rate regulator, apply at the inlets, for (60±5) s, the water pressure needed to give a flow rate of (0,4±0,04) l/s through the mixing valve;<br>For mixing valves with removable flow rate regulator, the test is carried out both with and without this regulator<br><br>There shall be no permanent deformation in any part of the mechanical mixing valve. | No permanent deformation | Pass   |





# Test Report

No.: SHHL1604018603PL

Date: APR. 19, 2016

Page: 6 of 10

| Test Property                          | Test Principle / Requirements  | Result  | Rating |
|--|--|---|--------|
| 11 Mechanical Strength Characteristics | There shall be no deformation or other deterioration which impairs the function of the mixing valve. The mixing valve shall satisfy the requirement for leaktightness. | No deformation or other deterioration<br><br>Leaktightness was satisfied after test | Pass   |

### Remark:

- 1. N/A= Not applicable



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 (Shanghai) Technical Services (SGS Group) Co., Ltd. 4# Building, No.889, Yishan Road, Xuhui District Shanghai, China 200233 t (86) 400 960 9661 f (86-21) 6115 6899 www.sgs.com.cn  
Testing Center Hangzhou 中国·上海·徐汇区宜山路889号4号楼 邮编: 200233 t (86) 400 960 9661 f (86-21) 6115 6899 e sgs.china@sgs.com

## Test Report

No.: SHHL1604018603PL

Date: APR. 19, 2016

Page: 7 of 10

### Result 1 Dimensions Test

#### a) Outlet dimensions

| Dimensions | Measures (mm)  | Comments   | Result (mm) |
|------------|--|--|-------------|
| E          | 25 min (Outlet orifice<br>- Lowest point<br>- All mixing valves and outlets) | Dimension from lowest point of the outlet orifice including any flow rate regulator or flow straightener to the mounting surface. Regulations exist in some EU Member States that set dimensions greater than those indicated in this European Standard. | 65          |
| D 1        | 90 min (Horizontal mounted mechanical mixing valve)                          | Dimension from the centre of outlet orifice including any flow rate regulator or flow straightener.  | 100         |
| D 3        | 115 min (Wall mounted mechanical mixing valve separate spout)                |  | /           |
| A          | G ½ B (Remote outlet)  | In accordance with EN ISO 228-1  | /           |
| A 4        | 7.5 min (Shower outlet)  | Useful thread length<br>Free length of connection  | /           |
| A 5        | 9.5 min (Shower outlet)  |  | /           |



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)

SGS-CSTC (Shanghai) Technical Services (Shanghai) Co., Ltd. Testing Center Hangzhou  
 # Building, No.889, Yishan Road, Xuhui District Shanghai, China 200233 t (86) 400 960 9661 f (86-21) 6115 6899 www.sgsgroup.com.cn  
 中国·上海·徐汇区宜山路889号4号楼 邮编: 200233 t (86) 400 960 9661 f (86-21) 6115 6899 e sgs.china@sgs.com

c) Mounting Dimensions

| Dimensions | Measures (mm)  | Comments   | Result (mm) |
|------------|--|--|-------------|
| H 1        | 24 max (Two hole mechanical mixing valve size 1/2)   | Adjustable centres   | /           |
| H 2        | 29 max (Side spray)  | Adjustable centres   | /           |
| H 3        | 33.5 max (Single hole)   | /  | 27.2        |
| J 1        | 42 min (Side Spray)  | Dimension of base or flange  | /           |
| J 2        | 45 min (Bath, bath/shower, basin, bidet, sink)   |  | 53          |
| J 3        | 50 max (Single and multi hole mechanical mixing valve)   | Diameter of clamping washer  | 48          |
| V          | 32 max (Basin, bidet, sink)  | Flange projection to rear  | 26          |
| V 1        | 35 max (Bath – two hole mechanical mixing valve)   | /  | /           |
| L          | Dimension which allows taps and outlets to be fitted on to supports of thickness between 1 mm and 18 mm. | Minimum range of supports, which allows the installation of the mixing valves. | 0~30        |



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)

SGS-CSI Technical Services (Shanghai) Co., Ltd. | Building, No.889, Yishan Road, Xuhui District Shanghai, China 200233 | t (86) 400 960 9661 | f (86-21) 6115 6899 | www.sgsgroup.com.cn  
 中国·上海·徐汇区宜山路889号4号楼 邮编: 200233 | t (86) 400 960 9661 | f (86-21) 6115 6899 | e [sgs.china@sgs.com](mailto:sgs.china@sgs.com)



## Test Report

No.: SHHL1604018603PL

Date: APR. 19, 2016

Page: 9 of 10

### Sample Photo:

Test sample (MY8220)



Referenced sample (MY2101)



Referenced sample (MY5104)



Referenced sample (MY9884)



SGS-CTC (Shanghai) Technical Services (Shanghai) Co., Ltd.  
Testing Center Hangzhou

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)

4<sup>th</sup> Building, No.889, Yishan Road, Xuhui District Shanghai, China 200233

t (86) 400 960 9661

f (86-21) 6115 6899

[www.sgs.com](http://www.sgs.com)

中国·上海·徐汇区宜山路889号4号楼 邮编: 200233

t (86) 400 960 9661

f (86-21) 6115 6899

[sgs.china@sgs.com](mailto:sgs.china@sgs.com)

Referenced sample (MY5103)



SGS authenticate the photo on original report only

\*\*\*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-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)  
4# Building, No.889, Yishan Road, Xuhui District Shanghai, China 200233 t (86) 400 960 9661 f (86-21) 6115 6899 www.sgs.com.cn  
中国·上海·徐汇区宜山路889号4号楼 邮编: 200233 t (86) 400 960 9661 f (86-21) 6115 6899 e [sgs.china@sgs.com](mailto:sgs.china@sgs.com)