

Test Verification of Conformity

On the basis of the referenced test report(s), sample(s) tested of the below product have been found to comply with the standards harmonized with the directives listed on this verification at the time the tests were carried out. Other standards and Directives may be relevant to the product. This verification is part of the full test report(s) and should be read in conjunction with it (them).

Once compliance with all product relevant mark directives are verified, (i.e. product control, risk assessment) the manufacturer may indicate compliance by signing a Declaration of Conformity themselves and applying the mark to product identical to the tested sample(s).

Applicant Name & Address: Changzhou Yaming Wood Industry Co., Ltd

NO. 55 New Hengcui Road, Henglin Town, Economic Zone, Changzhou City,

Jiangsu Province, 213103

Product Description: Compact laminate panels for use on internal wall finishes

Ratings & Principle Reaction to fire: Class D – s2, d2
Characteristics: Release of formaldehyde: Class E1

Durability: Immersion in boiling water - Pass

Models/Type References: 8051 Black (Thickness: 4mm, 8mm, 10mm, 18mm, 25mm)

Brand Name: CHINA WUYA

Standards/ Specifications/ EN 438-7:2005

Directives: Construction Products Regulation (CPR) No.305/2011

Verification Issuing Office Intertek Testing Services Ltd., Shanghai

Name & Address: No.5 Building, No. 6958 Daye Road, Fengxian District, Shanghai, China

Test Report Number(s): 180319002SHF-BP-1, 75 35 01619 (issued by NB 1023)

Sally Xie

Name: Sally Xie

Position: Senior technical supervisor

Date: June 13, 2018

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Changzhou Yaming Wood Industry Co., Ltd

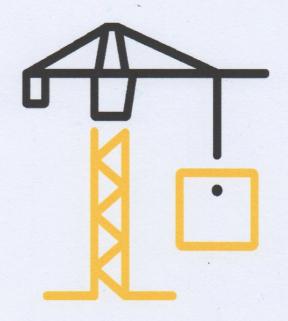
TEST REPORT

REPORT NUMBER 180319002SHF-BP-1

ISSUE DATE 2018/6/13

PAGES 14

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Intertek Testing Services Ltd., Shanghai No.5 Building, No. 6958 Daye Road, Fengxian District, Shanghai, China Tel: 021-61136116 Fax: 021-61189921 Website: www.intertek.com

Test Report

Issue Date:

2018/6/13

Intertek Report No. 180319002SHF-BP-1

Applicant:

Changzhou Yaming Wood Industry Co., Ltd

Applicant Address:

NO. 55 New Hengcui Road, Henglin Town, Economic Zone, Changzhou City, Jiangsu

Province, 213103

Sample information

Product:

COMPACT BOARD

Trade Mark:

CHINA WUYA

Model and/or type reference:

8051 Black (Thickness: 4mm, 8mm, 10mm, 18mm, 25mm)

Classification of installation and use:

The products are intended for internal wall finishes

Manufacturer:

Changzhou Yaming Wood Industry Co., Ltd

Sample ID:

S180319002SHF-001~006

Date of receipt of test item:

2018-04-11

Date (s) of performance of tests:

2018-04-12~2018-06-13

Testing information

Standard:

EN 438-7:2005

Rating(s):

Reaction to fire Class D-s2, d2

Possible Test Case Verdicts

Test Case does not apply to the Test object: N/A

Test object does meet the requirement:

Test object does not meet the requirement: F (Fail)

The submitted samples were tested in accordance with specified standards, and listed the result

accordingly, refer to text for detail.

LFT-APAC-SHF-OP-10d Version: 8-April-2018



Issue Date:

2018/6/13

Intertek Report No. 180319002SHF-BP-1

Test Items, Method and Results:

EN 438-7:2005

High-pressure decorative laminates (HPL) - Sheets based on thermosetting resins (Usually called Laminates) - Part 7: Compact laminate and HPL composite panels for internal and external wall and

ceiling finishes			
Clause	Requirement - Test	Result - Remark	Verdict
4	Performance characteristics		
4.2	Reaction to fire Interior grade non-flame retardant HPL panels are considered to be classified without further testing (CWFT) in the classes shown in Table 1. For products other than those covered by the CWFT Decision, or where the manufacturer seeks a higher class, the product shall be tested and classified according to EN 13501-1 and the resulting class and sub-class shall be declared.	Thickness: 4mm Reaction to fire class D-s2, d2 Refer to test report in Appendix B (Issue by NB No. 1023)	P
4.5	Resistance to fixings Shall be determined as resistance to axial withdrawal of wood screws from the panel face according to ISO 13894-1:2000, test method 15, or in the case of Compact panels taken from Table 3. Thickness: 4mm Screw holding value: 307 N/mm Thickness: 10mm Screw holding value: 372 N/mm Thickness: 18mm Screw holding value: 372 N/mm Thickness: 18mm Screw holding value: 5000 N Thickness: 25mm Screw holding value: 6350 N		Р
4.9	Thermal resistance/conductivity Shall be determined in accordance with EN 12664 and the result shall be declared, or it shall be calculated from data taken from EN 12524, where the conductivity of the HPL part of the product shall be taken to be 0.3 W/(m- K).	Thickness: 4mm Mean temperature: 24°C Temperature difference: 17°C Thermal conductivity: 0.123 W/(m·K) Thermal resistance: 0.034 (m²·K)/W	N/A



Issue Date:

2018/6/13

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Clause	Requirement - Test	Result - Remark	Verdict
4.11	Additional characteristics for internal use		
4.11.1	Release of formaldehyde Formaldehyde emission level from HPL Compact laminate panels comply with Class E1 requirements without the need for testing	Thickness: 25mm 0.05 mg/m ³ Class E1	Р
4.13	Durability		
4.13.1	Compact laminate panels/sidings for internal use The durability shall be demonstrated by testing the following properties: immersion in boiling water in accordance with EN 438-2:2005, Test method 12, and density in accordance with EN ISO 1183-1:2004, Test method A. Compact laminate panel shall comply with the requirements for a 'Pass' result specified in EN 438-4:2005. Laminate grade: CGS Density: ≥1.35 g/cm³ Immersion in boiling water: Requirement for 2mm≤t < 5mm(where t = nominal thickness): Mass increase ≤5.0% Thickness increase: ≤6.0% Appearance: ≥Rating 4 Requirement for t≥5mm(where t = nominal thickness): Mass increase ≤2.0% Thickness increase: ≤2.0% Thickness increase: ≤2.0% Appearance: ≥Rating 4	Thickness: 4mm Density: 1.41 g/cm³ Thickness: 25mm Density: 1.39 g/cm³ Immersion in boiling water: Thickness: 4mm Measured value: Mass increase: 0.36% Thickness increase: 0.41% Appearance: Rating 5 Thickness: 8mm Measured value: Mass increase: 0.41% Thickness increase: 0.28% Appearance: Rating 5 Thickness: 25mm Measured value: Mass increase: 0.16% Thickness increase: 0.65% Appearance: Rating 5	P



Issue Date:

2018/6/13

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Clause	Requirement - Test	Result - Remark	Verdict	
5	Evaluation of conformity			
5.1	General The compliance of a wall or ceiling panel/siding with the requirements of this standard and with the stated values or classes shall be demonstrated by: - Initial type testing - Factory production control by the manufacturer, including product assessment			
5.2	Type testing Shall be performed to demonstrate conformity with this standard or be demonstrated according to information given in this standard	Refer to clause 4.2, 4.5, 4.11.1 and 4.13.1	Р	
5.3	Factory production control The manufacturer shall establish, document and maintain an FPC system to ensure that the products placed on the market conform with the stated performance characteristics.	The manufacturer has established a Quality management system according to ISO 9001. See Appendix A	Р	
6	Marking and labeling Product which conform to the requirements of this document shall be clearly and indelibly marked by the manufacturer either directly on the panel or on an affixed adhesive label with following information: a) the reference of this document, i.e. EN 438-7 b) the manufacturer's or supplier's identification c) the product name and batch number d) the year of manufacture, unless identified within the batch number	See Appendix C 'Copy of marking plate'	Р	



Issue Date:

2018/6/13

Intertek Report No. 180319002SHF-BP-1

Appendix A: ISO 9001 Certificate





Certificate of Approval

Certificate No.: 10116Q19455ROS

Awarded to

Changzhou Yaming Wood Industry Co.,Ltd.

Organization Code Certificate No. / Unified Social Credit Code:91320412739556509M Add.:Honglian Village,Henglin Town,Wujin District,Changzhou City,Jiangsu Province,213103,The P.R Of China

Beijing ZhongLianTianRun Certification Center (ZLTR) certify that the Quality Management System of the above organization has been assessed and found to be in accordance with the requirements of the standard: GB/T19001-2016 / ISO9001: 2015

SCOPE OF CERTIFICATION/REGISTRATION The manufacture of fireproof board, decorative board (except regulations required range)

This certificate is made valid when used with certification scopes and the requirements of applicable laws and regulations. These requirements include, but are not limited to, administrative permits, scopes of qualifications, and CCC requirements.

scopes of qualifications, and CCC requirements.

Subject to operation conditions in requirements conformity with Quality Management System,
This Certificate is valid for a period of three years only,
Date from: Dec 16th,2016 To: Dec 15th,2019
Date of Trade:Nov 21st,2017
The effectiveness of this Certificate shall be Validated by periodic surveillance audit
of ZLTR for maintenance.
The time limit of the certificate is to Nov 18th,2018, please conducting the
surveillance or re-certification assessment before Nov 18th,2018. If the assessment is
overdue, the certificate is invalid

overdue , the certificate is invalid.

Information of this certificate can be found on the official website of Beij
Certification center (http://www.zltr.com.cn)







Beijing Zhongliantianrun Certification Center Room 2603, 22nd Floor, 2nd Unit, Block 1, No. 4 Yard, Olyang Road, Chaoyang District, Beijing, P.R. China 100102



Issue Date:

2018/6/13

Intertek Report No. 180319002SHF-BP-1

Appendix B: NB Report

Reference No. 75 35 01619 Page 1 of 6



INSTITUTE FOR TESTING AND CERTIFICATION

třída Tomáše Bati 299. Louky, 763 02 Zlín, Čzech Republic

TEST REPORT

Reference No. 75 35 01619/ 2018

Applicant:

Changzhou Yaming Wood Industry Co., Ltd. NO.55 NEW HENGCUI ROAD, HENGLIN TOWN, CHANGZHOU CITY, JIANGSU PROVINCE, CHINA

Product:

COMPACT LAMINATE PANELS FOR INTERNAL/EXTERNAL/WALL CEILLING FINISHES, THICKNESS ≥ 4 mm. **BRAND NAME: CHINA WUYA**

Manufacturer: Changzhou Yaming Wood Industry Co., Ltd. NO.55 NEW HENGCUI ROAD, HENGLIN TOWN, CHANGZHOU CITY, JIANGSU PROVINCE, CHINA

213103

Elaborated by: Milan Kovář

Issued on:

6th June 2018

RNDr. Radomir Čevelik Representative of Notified Body No. 1023

Company to No.: 47910381

Phone: +420 577 601 238 +420 577 601 623

Fox +420 577 104 855 +420 577 601 702



Issue Date:

2018/6/13

Intertek Report No. 180319002SHF-BP-1



INSTITUTE FOR TESTING AND CERTIFICATION

Notified Body 1023 763 02 Zlin, Czech Republic

Notified Body No. 1023 * State Authorized Body No. 224 * Product and Management Systems Certification Bodies * Accredited Laboratory

> Reference No. 75 35 01619 Page 2 of 6

Introduction

This report was elaborated on the basis of the application No. 753501619, registered on 10/04/2018 and tests results carried out by the notified testing laboratory in accordance with the procedure mentioned in the article 1.4 of the Annex V to the Regulation (EU) No. 305/2011 of the European Parliament and of the Council of 9 March 2011, as amended, laying down harmonised conditions for the marketing of construction products ("CPR").

2. Assessment and verification of constancy of performance according to Regulation (EU) No 305/2011 of the European Parliament and of the Council, as amended

Compact laminate panels for wall and ceiling finishes as construction products are assessed on the basis of relevant clauses of the Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9th March 2011 laying down harmonised conditions for marketing of construction products and repealing Council Directive 89/106/EEC, as amended (called ,CPR')

2.1. System of assessment and verification of constancy of performance (AVCP)

The submitted product is assessed pursuant to system of AVCP 3 of the CPR (Annex V). The type testing was carried out according to Annex ZA of the standard EN 438-7:2005.

2.2. Indicators specifying basic requirements for construction works

The initial type testing (type testing) was carried out by the notified body (the notified test laboratory) in the following range of relevant properties according to Table ZA.3b (of the EN 438-

- Reaction to fire
 - Ignitability surface and edge exposure according to EN ISO 11925-2 (exposure time: 30 s)
 - Single burning item (SBI) test according to EN 13823+A1 and Annex B of EN 438-7 (for external use)
 - Classification according to EN 13501-1+A1

Flexural tensile strength (flexural strength and modulus of elasticity) testing has not been required by the manufacturer.



Issue Date:

2018/6/13

Intertek Report No. 180319002SHF-BP-1



INSTITUTE FOR TESTING AND CERTIFICATION

Notified Body 1023 763 02 Zlin, Czech Republic

Notified Body No. 1023 * State Authorized Body No. 224 * Product and Management Systems Certification Bodies * Accredited Laboratory

Reference No. 75 35 01619 Page 3 of 6

2.3 Product specification

Compact laminate panel sidings of walls and ceillings, for internal and external use. Manufactured panel thickness: 4 mm to 25 mm. The manufacturer declares no flame retardants using.

2.4 Sampling place and number of samples taken

The test samples were sent by the manufacturer. The number of the test samples sent was as follows:

Compact laminate panels for internal/external/wall ceilling finishes, thickness of 4 mm, in
the amount of 3 pcs of panels (1500 x 1000 x 4) mm, 3 pcs of panels (500 x 200 x 4)
mm, 3 pcs of panels (800 x 500 x 4) mm, 3 pcs of panels (200 x 1000 x 4) mm, 3 pcs of
panels (800 x 1000 x 4) mm, 1 pc of panel (700 x 1000 x 4) mm.

The test samples were registered under the registration number 75 35 01619/1 on 25/04/2018.

2.5 Place and date of testing

- Institut pro testování a certifikaci (ITC), a.s., NB 1023, accredited laboratory No. 1004 Zlin (May 2018)
- Centrum stavebního inženýrství (CSI), a.s. Prague, Fire Technical Laboratory, Accredited test laboratory No.1007.4, NB 1390 (June 2018)

2.6 Test results



Issue Date:

2018/6/13

Intertek Report No. 180319002SHF-BP-1



INSTITUTE FOR TESTING AND CERTIFICATION

Notified Body 1023 763 02 Zlín, Czech Republic

Notified Body No. 1023 * State Authorized Body No. 224 * Product and Management Systems Certification Bodies * Accredited Laboratory

Reference No. 75 35 01619 Page 4 of 6

Table 1 - Ignitability results (lengthwise)

Characteristic (parameter)	Surface exposure (characteristic for individual test specimens)	Edge exposure (characteristic for individual test specimens)
Ignition of the test specimen Yes/No	No, No, Yes, No, No, No	Yes, Yes, Yes, Yes, Yes, Yes
Flame reaching of a mark in distance of 150 mm Yes/No	No, No, No, No, No	No, No, No, No, No
Burning time to reach 150 mm (s)	55555	7, 7, 7, 7, 7, 7
Ignition of the filter paper	No, No, No, No, No	No, No, No, No, No

Table 2 - Ignitability results (crosswise)

Characteristic (parameter)	Surface exposure	Edge exposure
	(characteristic for individual test specimens)	(characteristic for individual test specimens)
Ignition of the test specimen Yes/No	No, No, No, No, No, No	Yes, Yes, Yes, Yes, Yes, Yes
Flame reaching of a mark in distance of 150 mm Yes/No	No, No, No, No, No	No, No, No, No, No, No
Burning time to reach 150 mm (s)	5, 5, 5, 5, 5, 5	73 73 73 73 7
Ignition of the filter paper	No, No, No, No, No	No, No, No, No, No, No



Issue Date:

2018/6/13

Intertek Report No. 180319002SHF-BP-1



INSTITUTE FOR TESTING AND CERTIFICATION

Notified Body 1023 763 02 Zlin, Czech Republic

Notified Body No. 1023 * State Authorized Body No. 224 * Product and Management Systems Certification Bodies * Accredited Laboratory

Reference No. 75 35 01619 Page 5 of 6

Table 3 - SBI test results

Characteristic (parameter)	Determined values of the parameter for individual test specimens			Mean value of the parameter
LFS < edge	Yes	Yes	Yes	Yes
FIGRA _{0,2 MJ} (W/s)	236.9	218.7	248.9	234.8
FIGRA _{0,4 MJ} (W/s)	236.9	218.7	248.9	234.8
THR _{600s} (MJ)	32.6	*30.4	34.7	32.6
SMOGRA (m ² /s ²)	5.6	6.9	5.1	5.9
TSP _{500s} (m ²)	52.8	54.8	53.0	53.5
Flaming (burning) droplets/particles	Yes	Yes	Yes	Yes
Time of flaming (s)	>20	>20	>20	>20

Table 4 - Reaction to fire classification

Fire behaviour	Smoke production	Flaming droplets/particles	Final class
D	s2	d2	D - s2, d2

Notified Body NB 1023 has carried out the testing in accordance with the paragraph 1.4 of Annex V to the Regulation (EU) No 305/2011, as amended for the product specified in the Art. 2.3 of this Report **and concluded that**

all requirements of this paragraph of the above Regulation and the relevant harmonized standard have been met and this report may be issued as a basis for affixing CE marking to these products.

This Report is applicable only to products identically marked and named, such as those which were the subject to testing, provided that the products characteristics have not been changed or no significant changes in their production (materials, technology, manufacturing equipment, etc.) have been done.

3. List of documents used to elaborate the Test Report

Application No. 753501619 for assessment of CE-marked construction products



Issue Date:

2018/6/13

Intertek Report No. 180319002SHF-BP-1



INSTITUTE FOR TESTING AND CERTIFICATION

Notified Body 1023 763 02 Zlin, Czech Republic

Notified Body No. 1023 * State Authorized Body No. 224 * Product and Management Systems Certification Bodies * Accredited Laboratory

Reference No. 75 35 01619 Page 6 of 6

- EN 438-7: 2005 High-pressure decorative laminates (HPL) Sheets based on thermosetting resins (Usually called Laminates) – Part 7: Compact laminate and HPL composite panels for internal and external wall and ceiling finishes/
- Test report of Accredited laboratory, reference No. 753501619/01, elaborated by ITC, a.s., Accredited laboratory No. 1004 Zlin, on 09/05/2018
- Test Report, reference No. 18/440/P351, elaborated by Centrum stavebního inženýrství a.s., Fire Technical Laboratory, Prague, on 06/06/2018
- Classification Report using Results of Reaction to Fire No. 75 35 01619K/2018, elaborated by ITC, a.s. Zlín, on 06/06/2018



Issue Date:

2018/6/13

Intertek Report No. 180319002SHF-BP-1

Appendix C: Copy of Marking Plate

CE

Changzhou Yaming Wood Industry Co., Ltd

18

EN 438-7:2005

Compact laminate panels for use on internal wall finishes

Reaction to fire: Class D - s2, d2 Release of formaldehyde: Class E1

Durability: Immersion in boiling water - Pass

Note:

- 1. If the CE marking is reduced or enlarged the proportions given in the above graduated drawing must be respected.
- 2. The various components of the CE marking must have substantially the same vertical dimension, which may not be less than 5 mm.
- 3. CE marking and label shall be affixed visibly, legibly and indelibly.

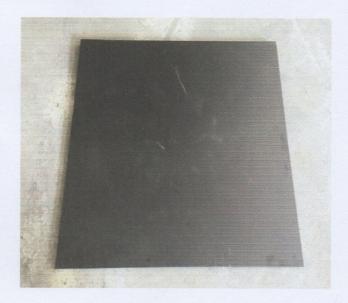


Issue Date:

2018/6/13

Intertek Report No. 180319002SHF-BP-1

APPENDIX: SAMPLE RECEIVED PHOTO



REPORT AUTHORIZED

When signed with physical or electronic signature, the contents of this report have been prepared and approved per Intertek's quality process in accordance with ISO 17025.

Sally Xie

Title: Reviewer

Kyle Wang

加专用中心 roject Engineer

Revision:

NO.	DATE	CHANGES	AUTHOR	REVIEWER
180319002SHF-BP-1	2018/6/13	First issue	Kyle Wang	Sally Xie



Changzhou Yaming Wood Industry Co.,Ltd

TEST REPORT

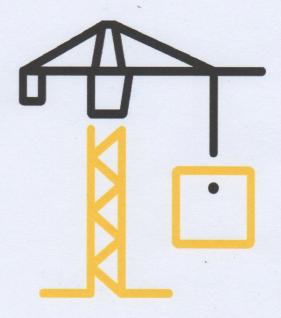
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Test Report

Issue Date:

2018/6/13

Intertek Report No. 180319002SHF-BP-2

Applicant:

Changzhou Yaming Wood Industry Co.,Ltd

Applicant Address:

NO.55 New Hengcui Road, Henglin Town, Economic Zone, Changzhou City, Jiangsu

Province, 213103

Attn:

Lina Chen

SUBJECT:

Performance testing

COMPACT BOARD

Dear Sir,

This test report represents the results of our evaluation of the above referenced product(s) to the requirements contained in the following standards:

TEST METHODS AND STANDARDS

Refer to the next following Pages.

SAMPLE ID	MODEL	SPECIFICATION
S180319002SHF.007~009	8051 Black	4mm Brand Name: CHINA WUYA

SAMPLE RECEIEVED:

2018/4/11

TESTED FROM:

2018/4/12

TO 2018/6/13

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Issue Date:

2018/6/13

Intertek Report No. 180319002SHF-BP-2

Test Items, Method and Results:

Test Item:

Resistance to surface wear

Test Method: With reference to EN 438-2:2005, Section 10

Conditioning: Condition the test specimens at (23±2)°C and (50±5)% relative humidity for at least 72h

Test Condition:

Rotation frequency: 60

r/min

Abrasive material:

Taber S-42 abrasive paper strips

Load on each wheel: 500 g

Test revolutions:

1000 r

Test Result:

Parameter	Specimen 1	Specimen 2	Specimen 3
Mass/Weight loss, (mg)	479.7	486.8	507.3
Average value, (mg)		491.3	

Note:

1. Abbreviation "r" = revolutions/cycles



Issue Date:

2018/6/13

Intertek Report No. 180319002SHF-BP-2

Test Items, Method and Results:

Test Item:

Resistance to staining

Test Method: EN 438-2:2005, Section 26

Conditioning: Condition the test specimens at (23 ± 2) °C and (50 ± 5) % relative humidity for at least 72h

Test Result:

Group	Staining agent	Duration of contact	Result of visual changes
1	Water	16 h	5
1	Acetone	16 h	5
1	Cleaning solution	16 h	5
2	Coffee (approx. 80°C)	16 h	5
3	Sodium hydroxide (25% solution)	10 min	. 5
3	Hydrogen peroxide (30% solution)	10 min	5
3	Shoe polish	10 min	5

Assessment of results

Numerical rating	Description
5	No visible change.
4	Slight change of gloss and/or colour, only visible at certain viewing angles.
3	Moderate change of gloss and/or colour.
2	Marked change of gloss and/or colour
1	Surface distortion and/or blistering.



Issue Date:

2018/6/13

Intertek Report No. 180319002SHF-BP-2

Test Items, Method and Results:

Test Item: Resistance to scratching

Test Method: EN 438-2:2005, Section 25

Conditioning: Condition the test specimens at (23±2)°C and (50±5)% relative humidity for at least 72h

Test Result:

Parameter	Specimen 1	Specimen 2	Specimen 3
Rating scale	Rating 1	Rating 1	Rating 1

Scratch resistance rating scale

	Discontinuous scratches, or faint superficial marks, or no visible marks.	≥ 90 % continuous double circle of scratch marks clearly visible.	
Rating 5	6 N	> 6 N	
Rating 4	4 N	6 N	
Rating 3	2 N	4 N	
Rating 2	1 N	2 N	
Rating 1	-	1 N	

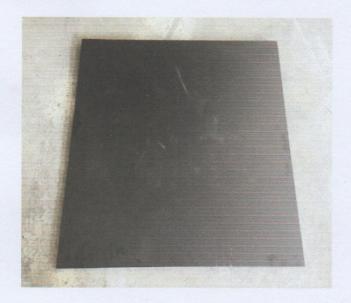


Issue Date:

2018/6/13

Intertek Report No. 180319002SHF-BP-2

APPENDIX: SAMPLE RECEIVED PHOTO



REPORT AUTHORIZED

When signed with physical or electronic signature, the contents of this report have been prepared and approved per Intertek's quality process in accordance with ISO 17025.

Name: Sally Xie

Title: Reviewer

Kyle Wang

ritie. Project Engineer

Revision:

NO.	DATE	CHANGES	AUTHOR	REVIEWER
180319002SHF-BP-2	2018/6/13	First issue	Kyle Wang	Sally Xie