中国认可
国际互认
检测
TESTING
CNAS L0327

Test Report Number: SZHH01354564S1

Applicant: LIVALL TECH CO., LTD.
ROOM 904, 9/F R&D BUILDING,
SHENZHEN TSINGHUA HI-TECH
PARK. NANSHAN DISTRICT,
SHENZHEN, CHINA

Date: Jun 30, 2019

Attn: TAN BING

This is to supersede Report No. SZHH01354564 dated Jun 19, 2019

Sample Description:

Eight (8) pieces of submitted sample said to be :

Item Name	:	**Bling Helmet.**
Item/Model No.	:	**BH51M Neo.**
Size	:	L 57-61cm.
Date Manufacturer	:	2019 年 4 月.
Date Sample Received	:	Apr 28, 2019.
Testing Period	:	Apr 28, 2019 ~Jun 17, 2019.

****

To be continued

Authorized by:
For Intertek Testing Services
Shenzhen Ltd.

Michael, Zhang Jian
Title: Manager
CNAS Approved Signatory

Intertek Testing Services Shenzhen Ltd.
深圳天祥质量技术服务有限公司

West Side of 1/F and 3,4,5/F of Bldg. 1, 1-5/F of Bldg. 3, Yuanzheng Science and Technology Industrial Park, No.4012, Wuhe Ave. North, Bantian Street, Longgang District, Shenzhen
深圳市龙岗区坂田街道五和大道北 4012 号元征科技工业园 1 号楼 3、4、5 层及 1 楼西侧半层和 3 号楼整栋 1-5 层

Tel:+86755 26020111
Fax:+86755 35377118\9
www.intertek.com.cn
www.intertek.com

intertek
Total Quality. Assured.

中国认可
国际互认
检测
TESTING
CNAS L0327

Test Report Number: SZHH01354564S1

Tests conducted:
As requested by the applicant, refer to attached page(s) for details.

****

Conclusion:

Tested sample	Standard	Result
Submitted helmets	EN 1078:2012+A1:2012 Standard Specification for Helmets Worn by Users of Pedal Cycles, Skateboards and Roller Skates	Pass

****

Authorized by:
For Intertek Testing Services Shenzhen Ltd.

Michael, Zhang Jian
Title: Manager
CNAS Approved Signatory

Intertek Testing Services Shenzhen Ltd.
深圳天祥质量技术服务有限公司

West Side of 1/F and 3,4,5/F of Bldg. 1, 1-5/F of Bldg. 3, Yuanzheng Science and Technology Industrial Park, No.4012, Wuhe Ave. North, Bantian Street, Longgang District, Shenzhen
深圳市龙岗区坂田街道五和大道北 4012 号元征科技工业园 1 号楼 3、4、5 层及 1 楼西侧半层和 3 号楼整栋 1-5 层

Tel:+86755 26020111
Fax:+86755 35377118\9
www.intertek.com.cn
www.intertek.com

Test Report Number: SZHH01354564S1

Tests Conducted

1 Standard Specification for Helmets Worn by Users of Pedal Cycles, Skateboards and Roller Skates

As per EN 1078:2012+A1:2012: standard specification for helmets worn by uses of pedal cycles, skateboards and roller skates.

Number of samples tested: Eight (8) sets.

Helmets size: 57-61cm

Test headform: J/M

Clause	Test Items	Result
4.1	Materials For those parts of the helmet coming into contact with the skin, the material used should be known not to undergo appreciable alteration from contact with sweat or with substances likely to be found in toiletries. Materials shall not be used which are known to cause skin disorders.	
4.2	Construction The helmet normally consists of a means of absorbing impact energy and means of retaining the helmet on the head in an accident. The helmet should be durable and withstand handling. The helmet shall be so designed and shaped that parts of it (visor, rivets, ventilators, edges, fastening device and the like) are not likely to injure the user in normal use. NOTE Helmets should: - have low weight; - be ventilating; - be easy to put on and take off; - be usable with spectacles; - not significantly interfere with the ability of the user to hear traffic noise.	P
4.3	Field of vision When tested in accordance with 5.7 there shall be no occultation in the field of vision bounded by angles as follows (see Figure 1 in EN 1078:2012+A1:2012): -horizontally: min. 105° from the longitudinal vertical median plane to the left and right hand sides; -upwards: min. 25° from the reference plane; -downwards: min. 45° from the basic plane.	P (Horizontally: >105° Upwards: >25° Downwards >45°)

****

Intertek Testing Services Shenzhen Ltd.
深圳天祥质量技术服务有限公司

West Side of 1/F and 3,4,5/F of Bldg. 1, 1-5/F of Bldg. 3, Yuanzheng Science and Technology Industrial Park, No.4012, Wuhe Ave. North, Bantian Street, Longgang District, Shenzhen
深圳市龙岗区坂田街道五和大道北 4012 号元征科技工业园 1 号楼 3、4、5 层及 1 楼西侧半层和 3 号楼整栋 1-5 层

Tel:+86755 26020111
Fax:+86755 35377118\9
www.intertek.com.cn
www.intertek.com

Test Report Number: SZHH01354564S1

Tests Conducted

Clause	Test Items	Result
4.4	Shock absorbing capacity The helmet shall give protection to the forehead, rear, sides, temples and crown of the head. When tested in accordance with 5.3 and 5.4 the peak acceleration shall not, for each impact, exceed 250 *g* for the velocity of 5,42 (+0.1, 0), m/s on the flat anvil, and 4,57 (+0.1, 0)m/s on the kerbstone anvil. NOTE These are theoretically equivalent to 1 497 mm and 1 064 mm drop heights respectively.	P (See appendix)
4.5	Durability After being tested the helmet shall not exhibit damage that could cause significant injury to the wearer (sharp edges, points).	P (No damage & significant injury)
4.6	Retention system	
4.6.1	General Means shall be provided for retaining the helmet on the wearer's head. All parts of the retention system shall be securely attached to the helmet.	P
4.6.2	Chin strap The chin strap shall not include a chin cup. Any chin strap shall be no less than 15 mm wide (W). Chin straps may be fitted with means of enhancing comfort for the wearer.	P (W: 15.4mm)
4.6.3	Fastening device Any retention system shall be fitted with a device to adjust and maintain tension in the system. The device shall be capable of adjustment so that the buckle does not sit on the jaw bone.	P
4.6.4	Colour No part of the retention system shall be coloured green. NOTE It is recommended that the opening mechanism be marked with red or orange colour.	P (Black)
4.6.5	Strength When tested in accordance with 5.5, the dynamic extension of the retention system shall not exceed 35 mm and the residual extension shall not exceed 25 mm. For this purpose, extension includes slippage of the fastening device. Damage to the retention system shall be accepted provided that the above requirements are met. NOTE In this test, slippage of the fastening device can be measured and recorded separately from other contributions to the extension but this is for information only and is not subject to a separate requirement.	P (See appendix)

****

Intertek Testing Services Shenzhen Ltd.
深圳天祥质量技术服务有限公司

West Side of 1/F and 3,4,5/F of Bldg. 1, 1-5/F of Bldg. 3, Yuanzheng Science and Technology Industrial Park, No.4012, Wuhe Ave. North, Bantian Street, Longgang District, Shenzhen
深圳市龙岗区坂田街道五和大道北 4012 号元征科技工业园 1 号楼 3、4、5 层及 1 楼西侧半层和 3 号楼整栋 1-5 层

Tel:+86755 26020111
Fax:+86755 35377118\9
www.intertek.com.cn
www.intertek.com

Test Report Number: SZHH01354564S1

Tests Conducted

Clause	Test Items	Result
4.6.6	Effectiveness When tested in accordance with 5.6 the helmet shall not come off the headform.	P (Did not come off)
4.6.7	Ease of release Following the strength test in accordance with 5.5 and with the load still applied, it shall be possible to open the release system with one hand.	P
5.2	Inspection and determination of mass Inspect the helmet to ascertain whether it is suitable for its intended purpose and fulfils the general requirements in 4.2. Determine the mass of the helmets of the same size submitted for testing. Calculate and record the mean value in g rounded off to the nearest 10 g, stating the size of the helmet.	P (See appendix)
6	Marking Each helmet shall be marked in such a way that the following information is easily legible by the user and is likely to remain legible throughout the life of the helmet: a) number of this European Standard; b) name or trademark of the manufacturer; c) designation of the model; d) designation, which shall be one or more of the following: Helmet for pedal cyclists, skateboarders or roller skaters; e) size or size range of the helmet, quoted as the circumference (in centimeters) of the head which the helmet is intended to fit; f) weight of the helmet (the average mass in grams determined according to 5.2); g) year and quarter of manufacture; h) following text: "Warning! This helmet should not be used by children while climbing or doing other activities when there is a risk of strangulation/hanging if the child gets trapped with the helmet." In addition, if the helmet has components made of material which are known to be adversely affected by contact with hydrocarbons, cleaning fluids, paints, transfers or other extraneous additions, the helmet shall carry an appropriate warning.	P

****

Intertek Testing Services Shenzhen Ltd.
深圳天祥质量技术服务有限公司

West Side of 1/F and 3,4,5/F of Bldg. 1, 1-5/F of Bldg. 3, Yuanzheng Science and Technology Industrial Park, No.4012, Wuhe Ave. North, Bantian Street, Longgang District, Shenzhen
深圳市龙岗区坂田街道五和大道北 4012 号元征科技工业园 1 号楼 3、4、5 层及 1 楼西侧半层和 3 号楼整栋 1-5 层

Tel:+86755 26020111
Fax:+86755 35377118\9
www.intertek.com.cn
www.intertek.com

Test Report Number: SZHH01354564S1

Tests Conducted

Clause	Test Items	Result
	If there is a consumer sales packaging, the information specified in a), b), d) and h) shall also be given on that package. The text shall be of minimum font size 12.	P
7	Information supplied by the manufacturer With every helmet, clear information in the language of the country of sale shall be given as follows: a) that the helmet can only protect if it fits well and that the buyer should try different sizes and choose the size which feels secure and comfortable on the head; b) that the helmet should be adjusted to fit the user, e.g. the straps positioned so that they do not cover the ears, the buckle positioned away from the jawbone and the straps and buckle adjusted to be both comfortable and firm; c) how the helmet should be positioned on the head to ensure the intended protection is provided (e.g. hat it should be placed so as to protect the forehead and not be pushed too far over the back of the head); d) that a helmet cannot always protect against injury; e) that a helmet subjected to a severe impact should be discarded and destroyed; f) a statement of the danger of modifying or removing any of the original component parts of the helmet other than as recommended by the manufacturer, and that helmets should not be adapted for the purpose of fitting accessories in a way not recommended by the manufacturer.	P

Abbreviation: P = Pass
Appendix:

Section 5.2 – Inspection and determination of mass

Sample No.	Mass (g)
1	483.3
2	476.9
3	480.1
4	481.6
5	479.1
6	477.7
7	481.5
8	485.8
Average(rounded off to nearest 10g)	480.8(480)

****

Intertek Testing Services Shenzhen Ltd.
深圳天祥质量技术服务有限公司

West Side of 1/F and 3,4,5/F of Bldg. 1, 1-5/F of Bldg. 3, Yuanzheng Science and Technology Industrial Park, No.4012, Wuhe Ave. North, Bantian Street, Longgang District, Shenzhen
深圳市龙岗区坂田街道五和大道北 4012 号元征科技工业园 1 号楼 3、4、5 层及 1 楼西侧半层和 3 号楼整栋 1-5 层

Tel:+86755 26020111
Fax:+86755 35377118\9
www.intertek.com.cn
www.intertek.com

Test Report Number: SZHH01354564S1

Tests Conducted

Section 4.4–Shock absorbing capacity
Ambient temperature at time of test: 22.7°C
Test headform:J

Sample No.	Environment Impact	Test anvil	Location Impact	Velocity (m/s)	Peak (Gn)	Compliant
1	High	Kerbstone	Front	4.57	129.1	Pass
		Flat	Rear	5.46	242.4	Pass
2	Low	Flat	Rear	5.48	242.6	Pass
		Kerbstone	Crown	4.57	124.4	Pass
3	Artificial ageing	Kerbstone	Right	4.58	119.2	Pass
		Flat	Crown	5.43	208.1	Pass

Test headform:M

Sample No.	Environment Impact	Test anvil	Location Impact	Velocity (m/s)	Peak (Gn)	Compliant
5	High	Kerbstone	Front	4.61	133.7	Pass
		Flat	Rear	5.45	193.4	Pass
6	Low	Flat	Right rear	5.49	153.1	Pass
		Kerbstone	Crown	4.58	113.7	Pass
7	Artificial ageing	Kerbstone	Rear	4.60	157.3	Pass
		Flat	Front	5.42	202.7	Pass

****

Intertek Testing Services Shenzhen Ltd.
深圳天祥质量技术服务有限公司

West Side of 1/F and 3,4,5/F of Bldg. 1, 1-5/F of Bldg. 3, Yuanzheng Science and Technology Industrial Park, No.4012, Wuhe Ave. North, Bantian Street, Longgang District, Shenzhen
深圳市龙岗区坂田街道五和大道北 4012 号元征科技工业园 1 号楼 3、4、5 层及 1 楼西侧半层和 3 号楼整栋 1-5 层

Tel:+86755 26020111
Fax:+86755 35377118\9
www.intertek.com.cn
www.intertek.com

Test Report Number: SZHH01354564S1

Tests Conducted

Section 4.6.5–Retention system strength

Test headform:J

Sample No.	Dynamic extension (mm)	Residual extension (mm)	Compliant
2	13.1	7.9	Pass
3	8.2	7.0	Pass

Test headform:M

Sample No.	Dynamic extension (mm)	Residual extension (mm)	Compliant
6	12.7	7.3	Pass
7	13.5	7.3	Pass

Photos for reference:

Front view	

****

Intertek Testing Services Shenzhen Ltd.
深圳天祥质量技术服务有限公司

West Side of 1/F and 3,4,5/F of Bldg. 1, 1-5/F of Bldg. 3, Yuanzheng Science and Technology Industrial Park, No.4012, Wuhe Ave. North, Bantian Street, Longgang District, Shenzhen
深圳市龙岗区坂田街道五和大道北 4012 号元征科技工业园 1 号楼 3、4、5 层及 1 楼西侧半层和 3 号楼整栋 1-5 层

Tel:+86755 26020111
Fax:+86755 35377118\9
www.intertek.com.cn
www.intertek.com

Test Report Number: SZHH01354564S1

Tests Conducted

Side view	
Back view	

****

Intertek Testing Services Shenzhen Ltd.
深圳天祥质量技术服务有限公司

West Side of 1/F and 3,4,5/F of Bldg. 1, 1-5/F of Bldg. 3, Yuanzheng Science and Technology Industrial Park, No.4012, Wuhe Ave. North, Bantian Street, Longgang District, Shenzhen
深圳市龙岗区坂田街道五和大道北 4012 号元征科技工业园 1 号楼 3、4、5 层及 1 楼西侧半层和 3 号楼整栋 1-5 层

Tel:+86755 26020111
Fax:+86755 35377118\9
www.intertek.com.cn
www.intertek.com

Test Report Number: SZHH01354564S1

Tests Conducted

Top view	
Bottom view	

****

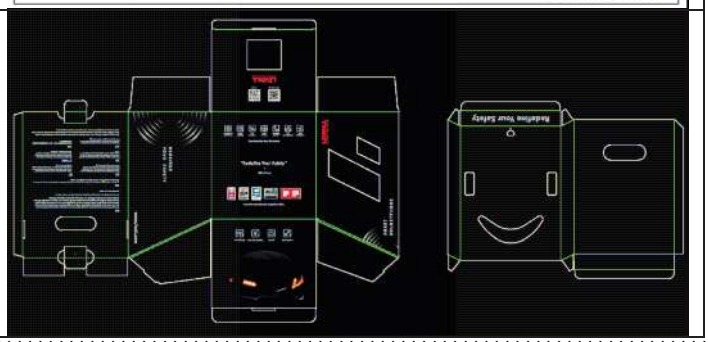
Intertek Testing Services Shenzhen Ltd.
深圳天祥质量技术服务有限公司

West Side of 1/F and 3,4,5/F of Bldg. 1, 1-5/F of Bldg. 3, Yuanzheng Science and Technology Industrial Park, No.4012, Wuhe Ave. North, Bantian Street, Longgang District, Shenzhen
深圳市龙岗区坂田街道五和大道北 4012 号元征科技工业园 1 号楼 3、4、5 层及 1 楼西侧半层和 3 号楼整栋 1-5 层

Tel:+86755 26020111
Fax:+86755 35377118\9
www.intertek.com.cn
www.intertek.com

Test Report Number: SZHH01354564S1

Tests Conducted

Label	Product: Bling Helmet Model No.: BH51M Neo Size: 57-61cm EN 1078: 2012+A1:2012 FCC ID: 2AEKFBH5X Date of Manufacture: 2019/04 Weight: 480g Helmet for Pedal Cyclists, Skateboarders and Roller Skaters Manufacturer: LIVALL Tech Co., Ltd. Manufacturer address: Room 904, 9F, R&D Building, Shenzhen Tsinghua Hi-Tech Park, Nanshan District, Shenzhen,China **WARNING!** This helmet should not be used by children while climbing or doing other activities when there is a risk of strangulation/hanging if the child gets trapped with the helmet.Do not clean with solvents, bleaches and strong detergents. They can damage helmet, sometimes invisibly, Use mild soap and water only. Read manual. Made in China
Package	

****

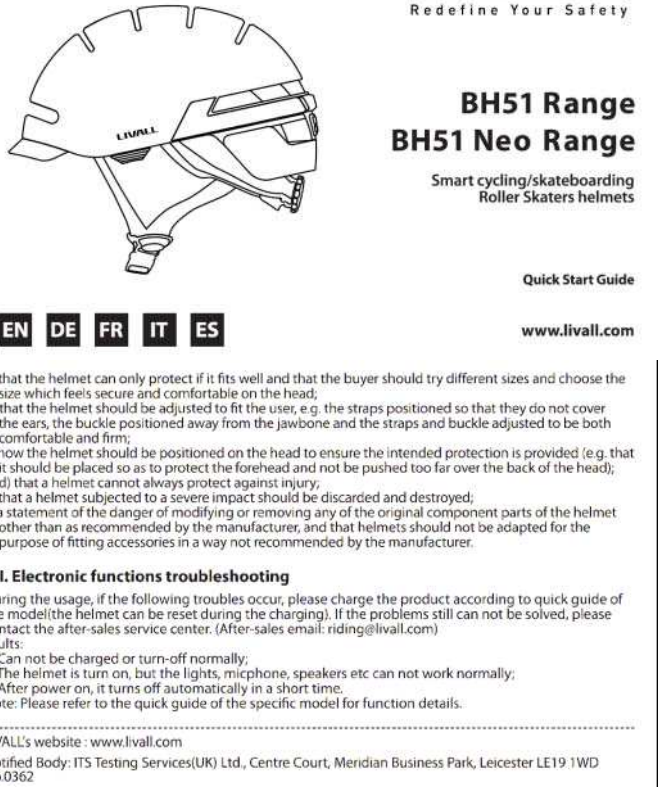
Intertek Testing Services Shenzhen Ltd.
深圳天祥质量技术服务有限公司

West Side of 1/F and 3,4,5/F of Bldg. 1, 1-5/F of Bldg. 3, Yuanzheng Science and Technology Industrial Park, No.4012, Wuhe Ave. North, Bantian Street, Longgang District, Shenzhen
深圳市龙岗区坂田街道五和大道北 4012 号元征科技工业园 1 号楼 3、4、5 层及 1 楼西侧半层和 3 号楼整栋 1-5 层

Tel:+86755 26020111
Fax:+86755 35377118\9
www.intertek.com.cn
www.intertek.com

Test Report Number: SZHH01354564S1

Tests Conducted

Instruction	

LIVALL
Redefine Your Safety

BH51 Range
BH51 Neo Range

Smart cycling/skateboarding
Roller Skaters helmets

Quick Start Guide

EN DE FR IT ES

www.livall.com

a) that the helmet can only protect if it fits well and that the buyer should try different sizes and choose the size which feels secure and comfortable on the head;
b) that the helmet should be adjusted to fit the user, e.g. the straps positioned so that they do not cover the ears, the buckle positioned away from the jawbone and the straps and buckle adjusted to be both comfortable and firm;
c) how the helmet should be positioned on the head to ensure the intended protection is provided (e.g. that it should be placed so as to protect the forehead and not be pushed too far over the back of the head);
d) that a helmet cannot always protect against injury;
e) that a helmet subjected to a severe impact should be discarded and destroyed;
f) a statement of the danger of modifying or removing any of the original component parts of the helmet other than as recommended by the manufacturer, and that helmets should not be adapted for the purpose of fitting accessories in a way not recommended by the manufacturer.

VII. Electronic functions troubleshooting

During the usage, if the following troubles occur, please charge the product according to quick guide of the model(the helmet can be reset during the charging). If the problems still can not be solved, please contact the after-sales service center. (After-sales email: riding@livall.com)
Faults:
1. Can not be charged or turn-off normally;
2. The helmet is turn on, but the lights, micphone, speakers etc can not work normally;
3. After power on, it turns off automatically in a short time.
Note: Please refer to the quick guide of the specific model for function details.

LIVALL's website : www.livall.com

Notified Body: ITS Testing Services(UK) Ltd., Centre Court, Meridian Business Park, Leicester LE19 1WD No.0362

****

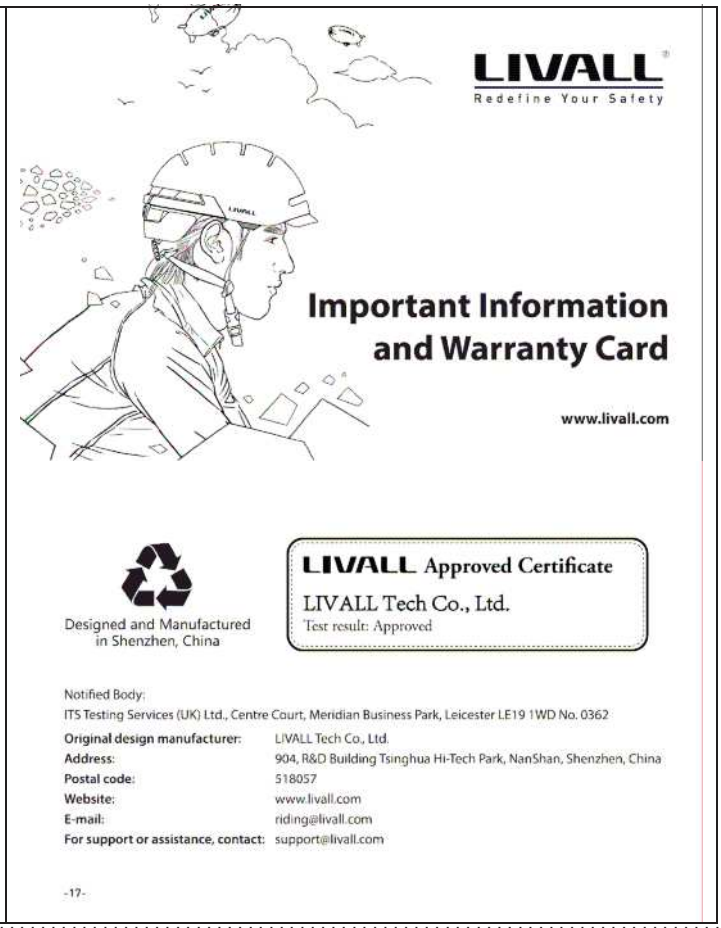
Intertek Testing Services Shenzhen Ltd.
深圳天祥质量技术服务有限公司

West Side of 1/F and 3,4,5/F of Bldg. 1, 1-5/F of Bldg. 3, Yuanzheng Science and Technology Industrial Park, No.4012, Wuhe Ave. North, Bantian Street, Longgang District, Shenzhen
深圳市龙岗区坂田街道五和大道北 4012 号元征科技工业园 1 号楼 3、4、5 层及 1 楼西侧半层和 3 号楼整栋 1-5 层

Tel:+86755 26020111
Fax:+86755 35377118\9
www.intertek.com.cn
www.intertek.com

Test Report Number: SZHH01354564S1

Tests Conducted



****

Intertek Testing Services Shenzhen Ltd.
深圳天祥质量技术服务有限公司

West Side of 1/F and 3,4,5/F of Bldg. 1, 1-5/F of Bldg. 3, Yuanzheng Science and Technology Industrial Park, No.4012, Wuhe Ave. North, Bantian Street, Longgang District, Shenzhen
深圳市龙岗区坂田街道五和大道北 4012 号元征科技工业园 1 号楼 3、4、5 层及 1 楼西侧半层和 3 号楼整栋 1-5 层

Tel:+86755 26020111
Fax:+86755 35377118\9
www.intertek.com.cn
www.intertek.com

Test Report Number: SZHH01354564S1

Tests Conducted

Test line (Headform:J)	
Test line (Headform:M)	

****

Intertek Testing Services Shenzhen Ltd.
深圳天祥质量技术服务有限公司

West Side of 1/F and 3,4,5/F of Bldg. 1, 1-5/F of Bldg. 3, Yuanzheng Science and Technology Industrial Park, No.4012, Wuhe Ave. North, Bantian Street, Longgang District, Shenzhen
深圳市龙岗区坂田街道五和大道北 4012 号元征科技工业园 1 号楼 3、4、5 层及 1 楼西侧半层和 3 号楼整栋 1-5 层

Tel:+86755 26020111
Fax:+86755 35377118\9
www.intertek.com.cn
www.intertek.com

Test Report Number: SZHH01354564S1

Tests Conducted

Impact sites #1	
Impact sites #2	

****

End of report

Intertek Testing Services Shenzhen Ltd.
深圳天祥质量技术服务有限公司

West Side of 1/F and 3,4,5/F of Bldg. 1, 1-5/F of Bldg. 3, Yuanzheng Science and Technology Industrial Park, No.4012, Wuhe Ave. North, Bantian Street, Longgang District, Shenzhen
深圳市龙岗区坂田街道五和大道北 4012 号元征科技工业园 1 号楼 3、4、5 层及 1 楼西侧半层和 3 号楼整栋 1-5 层

Tel:+86755 26020111
Fax:+86755 35377118\9
www.intertek.com.cn
www.intertek.com

To: LIVALL TECH CO., LTD.

Attention: TAN BING Date: Jun 30, 2019

Re : Report Revision Notification

Intertek Testing Services Report Number SZHH01354564 Dated Jun 19, 2019

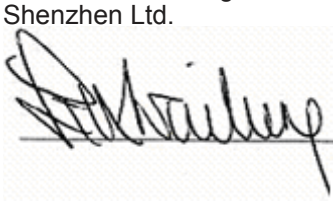
Please be informed that all the content recorded in the above captioned report will be void. This captioned report is now superseded by a revised Intertek Testing Services Report Number, SZHH01354564S1 Dated Jun 30, 2019

Below are revision details:

Report Number	SZHH01354564	SZHH01354564S1
Revise remark	Nil	Update item number

Thank you for your attention.

Authorized by:
For Intertek Testing Services Shenzhen Ltd.



Ben N.L. Lin
General Manager

Intertek Testing Services Shenzhen Ltd.
深圳天祥质量技术服务有限公司

West Side of 1/F and 3,4,5/F of Bldg. 1, 1-5/F of Bldg. 3, Yuanzheng Science and Technology Industrial Park, No.4012, Wuhe Ave. North, Bantian Street, Longgang District, Shenzhen
深圳市龙岗区坂田街道五和大道北 4012 号元征科技工业园 1 号楼 3、4、5 层及 1 楼西侧半层和 3 号楼整栋 1-5 层

Tel:+86755 26020111
Fax:+86755 35377118\9
www.intertek.com.cn
www.intertek.com