

of Conformity

Registration No.:

AK 50458818 0001

**Report No.:** 

50338641 001

Holder:

Pylon Technologies Co., Ltd. No. 73, Lane 887, Zu Chongzhi Road, Zhangjiang Hi-Tech Park, Pudong Shanghai 201203 P. R. China

Product:	<u>Energy Storage system</u> (LFP Lithium Ion Energy Storage System)
Identification:	Type Designation : Force-L1-48-zzz (zzz=148~592, in step of 74) Force-L2-48-zzz (zzz=148~370, in step of 74) Serial Number : Enigneering Sample Remark(s) : Refer to test report 50338641 001
Tested acc. to:	for details. IEC 62040-1:2017

The certificate of conformity refers to the above mentioned product. This is to certify that the specimen is in conformity with the assessment requirement mentioned above. This certificate does not imply assessment of the production of the product and does not permit the use of a TUV Rheinland mark of conformity.



Date 02.03.2020

ks. Utilisation and application requires prior ap

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

TÜV Rheinland (China) Ltd. Member of TÜV Rheinland Group



Pylon Technologies Co., Ltd. Elvis Xu -No. 73, Lane 887, Zu Chongzhi Road, Zhangjiang Hi-Tech Park, Pudong Shanghai 201203 P. R. China Date : 02.03.2020 Our ref. : XGJ 01 Your ref. : Elvis Xu

### Ref : AK Certificate of Conformity

Type of Equipment : LFP Lithium Ion Energy Storage System Model Designation : See Certificate Certificate No. : AK 50458818 0001 Report No. : 50338641 001

Dear Elvis Xu,

We herewith confirm that a sample of the above mentioned technical equipment has been tested and was found to be in accordance with the relevant requirements.

Enclosed please find your Certificate of Conformity.

We appreciate your kind support and would like to offer our assistance and continuous services in the future.

With kind regards,

Certification Body

Weichun Li

CC: Pylon Technologies Co., Ltd. Enclosure

证书的详细资料请登陆www.certipedia.com查阅,或拨打我司客服热线800 999 3668 / 400 883 1300咨询

TÜV Rheinland (China) Ltd. 莱茵检测认证服务(中国)有限公司 Unit 707, AVIC Bldg., No. 10B, Central Road, East 3rd Ring Road, Chaoyang District, Beijing, 100022, P.R.China

北京市朝阳区东三环中路乙10号 艾维克大厦707室 邮编:100022

Tel: (8610)6566 6660 Fax: (8610)6566 6667 e-mail: info@bj.chn.tuv.com Internet: http://www.chn.tuv.com



# CERTIFICATE of Conformity

**Registration No.:** 

AK 50457545 0001

Report No.:

50330796 001

Holder:

Pylon Technologies Co., Ltd. No. 73, Lane 887, Zu Chongzhi Road, Zhangjiang Hi-Tech Park, Pudong Shanghai 201203 P. R. China

Product:	Energy Storage system
	(LFP Lithium Ion Energy Storage System)

1
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Tested acc. to: IEC 62477-1:2012+A1 EN 62477-1:2012+A11+A1

The certificate of conformity refers to the above mentioned product. This is to certify that the specimen is in conformity with the assessment requirement mentioned above. This certificate does not imply assessment of the production of the product and does not permit the use of a **TVV** Rheinland mark of conformity.



Date 20.01.2020

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg







No. Z2 090762 0026 Rev. 00

Holder of Certificate:

# Pylon Technologies Co., Ltd.

No. 73, Lane 887, Zu Chongzhi Road, Zhangjiang Hi-Tech Park 201203 Pudong, Shanghai PEOPLE'S REPUBLIC OF CHINA

**Certification Mark:** 



**Product:** 

Energy Storage System (LFP Lithium Ion Energy Storage Battery System)

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition the certification holder must not transfer the certificate to third parties. See also notes overleaf.

Test report no.:

64280193033101

Valid until:

2025-01-12

TÜV SÜD Product Service GmbH • Certification Body • Ridlerstraße 65 • 80339 Munich • Germany

Date,

Page 1 of 2

2020-01-13



No. Z2 090762 0026 Rev. 00

Model(s):

Force-L1-48-148, Force-L1-48-222, Force-L1-48-296, Force-L1-48-370, Force-L1-48-444, Force-L1-48-518, Force-L1-48-592, Force-L2-48-148, Force-L2-48-222, Force-L2-48-296, Force-L2-48-370

**Brand Name:** 

**PYLONTECH** 



Parameters:

Nominal voltage: 48Vd.c. Rated capacity: Force-L1-48-148: 148Ah, Force-L1-48-222: 222Ah, Force-L1-48-296: 296Ah, Force-L1-48-370: 370Ah, Force-L1-48-444: 444Ah, Force-L1-48-518: 518Ah, Force-L1-48-592: 592Ah, Force-L2-48-148: 148Ah, Force-L2-48-222: 222Ah, Force-L2-48-296: 296Ah, Force-L2-48-370: 370Ah

Tested according to:

IEC 62619:2017

TÜV SÜD Product Service GmbH • Certification Body • Ridlerstraße 65 • 80339 Munich • Germany

Production Facility(ies):

Page 2 of 2

091237

Handking

# Notified Body TÜV Rheinland LGA Products GmbH



Tillystraße 2 90431 Nürnberg notified by the

Bundesnetzagentur für Elektrizität, Gas, Telekommunikation, Post und Eisenbahnen

# under No. 0197

herewith issues an

**EU-Type Examination Certificate** 

within the meaning of Annex III Module B of the 2014/53/EU Radio Equipment Directive (RED) for compliance with the essential requirements of this directive

Registration Number:RT 60160101 0001Evaluation Report Nr.:50344251 002

Manufacturer:

Pylon Technologies Co., Ltd. No. 73, Lane 887, Zu Chongzhi Road, Zhangjiang Hi-Tech Park, Pudong 201203 Shanghai P.R. China

Product:

Radio Equipment (LFP Lithium Ion Energy Storage System)

Type Identification:

Force-L1-48-zzz (zzz=148~592, in step of 74) Force-L2-48-zzz (zzz=148~370, in step of 74) (PYLONTECH)

Essential requirements:

2014/53/EU (RED) Article 3.1a Health Article 3.1a Electrical Safety Article 3.1b EMC Article 3.2 Radio spectrum

The technical design of the assessed type has been verified based on the technical documentation presented by the manufacturer according to Annex III Module B of the Directive. As far as the essential requirements indicated, the Notified Body of TÜV Rheinland LGA Products GmbH confirms, that the technical design of the apparatus meets the essential requirements of the Directive 2014/53/EU Article 3.

This certificate consists of this page and Annex I. Validity of the certificate is specified in the Annex I.

LGA **Notified Body** S. Peng Certifizierun

Date 25.11.2021

10/020 d 04.08 😻 TÜV, TUEV and TUV are registered trademarks. Utilisation and application requires prior approval.

### Annex 1 Certificate Registration No.: RT 60160101 0001

### 1 of 2



# Equipment

Product	: LFP Lithium Ion Energy Storage System
Trademark	: St PYLONTECH
Identification	: Force-L1-48-zzz (zzz=148~592, in step of 74),
Product description	Force-L2-48-zzz (zzz=148~370, in step of 74) : The above models are LFP Lithium Ion Energy Storage System with Wi-Fi function.

#### System description

Frequency band(s) of operation	12	2400-2483.5MHz
Operating frequency		2412-2472MHz
Channel spacing / bandwidth		5MHz, 20MHz
RF output power	1	19.98dBm (Max. e.i.r.p.)
Type of modulation	Зў) (1)	DSSS (DBPSK, DQPSK, CCK), OFDM (BPSK, QPSK, 16QAM, 64QAM)
Type of antenna	3	External Antenna
Mode of operation (simplex / duplex)	:	Duplex
Duty cycle (access protocol, if applicable)	:	Up to 100%
Hardware version	ĝ.	V10
Software version	i di	V1

# Documentation

User information and installation instructions	$\boxtimes$
Block diagram	$\boxtimes$
Circuit diagram	$\boxtimes$
Part list	$\boxtimes$
PCB layout	$\boxtimes$
Photo documentation	$\boxtimes$
Versions of firmware/software used	$\boxtimes$
Statement of compliance with art. 10.2 it can be operated in at least one Member State without infringing applicable requirements on the use of radio spectrum.	
Risk Analysis	$\boxtimes$

# **Conformity Assessment**

10/020 d 04.08 @ TÜV, TUEV and TUV are registered trademarks. Utilisation and application requires prior approvat.

		onised standards publication of harmonised stand	dards in the official Journal of	the EU at the time of issuance)
Artic		Standard	Test Report No.	Issued by
3.1a	Health			
3.1a	Safety			
3.1b	EMC			
3.2	Radio	EN 300 328 V2.2.2	50335898 002	TÜV Rheinland (Shanghai) Co., Ltd.
3.3	Others			

2 of 2



Appl	ied non-h	armonised standards		
Artic	le	Standard	Test Report No.	Issued by
3.1a	Health	EN 62311:2008	50335898 001	TÜV Rheinland (Shanghai) Co., Ltd.
3.1a	Safety	EN 62477-1:2012+A11+A1+A12	50330796 002	TÜV Rheinland (Shanghai) Co., Ltd.
3.1b	EMC	EN IEC 61000-6-1:2019 EN IEC 61000-6-2:2019 EN 61000-6-3:2007+A1 EN IEC 61000-6-4:2019 IEC 61000-6-1:2016 IEC 61000-6-2:2016 IEC 61000-6-3:2006+A1 IEC 61000-6-4:2018; EN 301489-1 V2.2.3 EN 301489-17 V3.2.4	50335284 002; 50335285 002	TÜV Rheinland (Shanghai) Co., Ltd.
3.2	Radio			
3.3	Others			

Othe	r solution	is, adopted to meet the ess	ential requirements	
Artic	le	Standard	Test Report No.	Issued by
3.1a	Health			
3.1a	Safety			
3.1b	EMC			
3.2	Radio			
3.3	Others			

#### Rationale for applied non-harmonised standards or other solutions:

- EN 62311 Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0 Hz - 300 GHz)
- EN 62477-1 Safety requirements for power electronic converter systems and equipment Part 1: General
- EN IEC 61000-6-1 and IEC 61000-6-1 Electromagnetic compatibility (EMC) Part 6-1: Generic standards Immunity standard for residential, commercial and light-industrial environments; EN IEC 61000-6-2 and IEC 61000-6-2 Electromagnetic compatibility (EMC) Part 6-2: Generic standards Immunity standard for industrial environments; EN 61000-6-3 and IEC 61000-6-3 Electromagnetic compatibility (EMC) Part 6-3: Generic standards Emission standard for residential, commercial and light-industrial environments; EN IEC 61000-6-4 and IEC 61000-6-4 Electromagnetic compatibility (EMC) Part 6-4: Generic standards Emission standard for industrial environments; EN IEC 61000-6-4 and IEC 61000-6-4 Electromagnetic compatibility (EMC) Part 6-4: Generic standards Emission standard for industrial environments; EN 301 489-1 ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements; EN 301 489-17 Part 17: Specific conditions for Broadband Data Transmission Systems; Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU

#### Remarks:

10/020 d 04.08 (8 TÜV, TUEV and TUV are registered trademarks. Utilisation and application requires prior approval

- This Type Examination Certificate does not imply assessment of the production of the product and does not permit the use of a TÜV Rheinland mark of conformity.
- This Type Examination Certificate only relates to the assessment of technical documentation to verify that the technical design of radio equipment meets the essential requirements of the RED 2014/53/EU and will not show compliance with essential requirements of other possible applicable EU Directives.
- The manufacturer has declared in compliance with art. 10.2 that the Radio Equipment can be operated in at least one Member State without infringing applicable requirements on the use of radio spectrum.
- Validity of this Type Examination Certificate is limited to the versions of the applied standard. If versions of standards change or modifications are made to the product, this Certificate will be invalidated.



Pylon Technologies Co., Ltd.

Date : 04.11.2021 Our ref. : WHF 01 Your ref.: 2089836

No. 73, Lane 887, Zu Chongzhi Road, Zhangjiang Hi-Tech Park, Pudong 201203 Shanghai P.R. China

#### Ref : AW UK Radio Equipment Regulations 2017

Type of Equipment : LFP Lithium Ion Energy Storage System Model Designation : See Certificate Certificate No. : AW 50522940 0001 Report No. : CN21YRZY 001

Dear Ladies and Gentlemen,

The above specified technical equipment has been tested and found to be in accordance with the relevant requirements.

Enclosed you will find the certificate of approval.

If cancellation of the certificate is submitted by November 15 in a given year, no fee will be charged for the following year.

We appreciate your kind support and would like to offer our assistance and continuous services in the future.

Please contact our office for approval of your new products.

With kind regards,

Certification Body

Enclosure

证书的详细资料请登陆www.certipedia.com查阅,或拨打我司客服热线800 999 3668 / 400 883 1300咨询

TÜV Rheinland (China) Ltd. 莱茵检测认证服务(中国)有限公司 No. 01/03B-08, Floor 7 and No. 01/ 04B-08, Floor 11, AVIC Building, No.10B, Central Road, East 3rd Ring Road, Chaoyang District, Beijing, P.R. China 北京市朝阳区东三环中路乙10号 艾维克大厦第7层第01、03B-08号, 第11层第01、04B-08号 邮编:100022 Tel: (8610)8524 2222 Fax: (8610)8524 2200 e-mail: info@bj.chn.tuv.com Internet: http://www.chn.tuv.com



of

# Conformity

### Radio Equipment Regulations 2017 (UK SI 2017 No.1206)

# Registration No.: AW 50522940 0001

Test Report No.: CN21YRZY 001

Holder:

Pylon Technologies Co., Ltd. No. 73, Lane 887, Zu Chongzhi Road, Zhangjiang Hi-Tech Park, Pudong 201203 Shanghai P.R. China

Product:	<u>Radio Equipment</u> (LFP Lithium Ion Energy Storage System)
Identification:	Force-Ll-48-zzz (zzz=148 <sup>~592</sup> , in step of 74) Force-L2-48-zzz (zzz=148 <sup>~</sup> 370, in step of 74) Serial No.: n.a. Remark: Refer to test report CN21YRZY 001
Tested acc. to:	ETSI EN 300 328 V2.2.2:2019 ETSI EN 301 489-1 V 2.2.3:2019 ETSI EN 301 489-17 V 3.2.4:2020 BS EN IEC 61000-6-1:2019 BS EN 61000-6-1:2007 BS EN IEC 61000-6-2:2019 BS EN 61000-6-2:2005

This certificate of conformity is based on an evaluation of a sample of the above mentioned product, technical report and documentation. This certificate does not imply the assessment of the production of the product and does not permit the use of a TUV produced mark of conformity.



TÜV Rheinland (China) Ltd. - No. 01/03B-08, Floor 7 and No. 01/04B-08, Floor 11, AVIC Building, No. 10B, Central Road East 3rd Ring Road, Chaoyang District, Beijing P.R. China 100022

Shanghai, 04.11.2021





of

### Conformity

### Radio Equipment Regulations 2017 (UK SI 2017 No.1206)

Registration No.: AW 50522940 0002

Test Report No.: CN21YRZY 001

Holder:

Shanghai, 04.11.2021

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UK

Pylon Technologies Co., Ltd. No. 73, Lane 887, Zu Chongzhi Road, Zhangjiang Hi-Tech Park, Pudong 201203 Shanghai P.R. China

Product:	<u>Radio Equipment</u> (LFP Lithium Ion Energy Storage System)
Identification:	Remark: Refer to page 0001
Tested acc. to:	BS EN 61000-6-3:2007+A1 BS EN IEC 61000-6-4:2019 BS EN 61000-6-4:2007+A1 BS EN 62477-1:2012+A12 BS EN 62311:2008

This certificate of conformity is based on an evaluation of a sample of the above mentioned product, technical report and documentation. This certificate does not imply the assessment of the production of the product and does not permit the use of a TUV Rheinland mark of conformity.



**Certification Body** Ying Xie

JK

TÜV Rheinland (China) Ltd. - No. 01/03B-08, Floor 7 and No. 01/04B-08, Floor 11, AVIC Building, No. 10B, Central Road East 3rd Ring Road, Chaoyang District, Beijing P.R. China 100022

TÜV Rheinland (China) Ltd. Member of TÜV Rheinland Group



: 20.01.2020

Pylon Technologies Co., Ltd. Elvis Xu No. 73, Lane 887, Zu Chongzhi Road, Zhangjiang Hi-Tech Park, Pudong Shanghai 201203 P. R. China

### Ref : R TÜV-Mark Approval

Type of Equipment : LFP Lithium Ion Energy Storage System Model Designation : See Certificate Certificate No. : R 50458257 0001 Report No. : 50279924 001

Dear Elvis Xu,

The above specified equipment has been tested and found to be in accordance with the relevant requirements.

Date

Our ref. : DB 01 Your ref.: Elvis Xu

Please find enclosed your certificate as specified above.

If cancellation of the certificate is submitted by 15 November in a given year, no fee will be charged for the following year.

The certificate is issued with the reservation that the license holder applies all information required in § 6 of the ProdSG related to name and address of the manufacturer or his authorized representative / importer, including their respective contact addresses on the product prior to marketing of the product in the European Economic Area.

With kind regards,

Certification Body

cc: Pylon Technologies Co., Ltd.

Enclosure

证书的详细资料请登陆www.tuvdotcom.com查阅,或拨打我司客服热线800 999 3668 / 400 883 1300咨询

TÜV Rheinland (China) Ltd. 莱茵检测认证服务(中国)有限公司

No. 01/03B-08, Floor 7 and No. 01/ 04B-08, Floor 11, AVIC Building, No.10B, Central Road, East 3rd Ring Road, Chaoyang District, Beijing, P.R. China

北京市朝阳区东三环中路乙10号 艾维克大厦第7层第01、03B-08号, Fax: (8610)8524 2200 第11层第01、04B-08号 邮编: 100022

Tel: (8610)8524 2222 e-mail: info@bj.chn.tuv.com Internet: http://www.chn.tuv.com

Zertifikat	Certificate			Reinland
<b>Zertifikat Nr. <i>Certificate No.</i></b> R 50458257	Blatt Sheet 0001			
<b>Ihr Zeichen <i>Client Reference</i> Elvis Xu</b>	Unser Zeichen Our R 01-DB-5027992		Ausstellungsdatum	Date of Issue (day/mo/yr)
<b>Genehmigungsinhaber License H</b> Pylon Technologies C No. 73, Lane 887, Zu Zhangjiang Hi-Tech P Shanghai 201203 P. R. China	o., Ltd. Chongzhi Road,	Pylon Techr Plant 8, No.505 Kunk	Manufacturing Plant hologies Co., ai Road, Jir y, Jiangsu P	Ltd. NXi Town,
Prüfzeichen Test Mark Bauart geprüft Sicherheit Regelmäßige Produktions- überwachung Www.tuv.com ID 1419077941	<b>Geprüft nach Teste</b> VDE-AR-E 251 2 PfG 2698/08	0-50:2017		
Zertifiziertes Produkt (Geräteider Certified Product (Product Id	ntifikation) dentification)		Lizenzentg License Fe	gelte - Einheit e - Unit
Type designation	· 1) Force-1.1-48	-777		9
Total Storage Energy[kWh Nominal voltage[Vd.c.] Nominal current[Ad.c.] Rated capacity[Ah] Over voltage category (C Protection Class Ingress Protection (IP) Pollution degree (PD)	2) Force-L2-48 (zzz=148-37 1] : 1) 3.552 * n ( 2) 3.552 * n ( : 48 : 100 : 74 (each Ba OVC) : II : I : IP55	2, in step of -zzz 0, in step of n=2 to 8)		9
Type designation Total Storage Energy[kWh Nominal voltage[Vd.c.] Nominal current[Ad.c.] Rated capacity[Ah] Over voltage category (C Protection Class Ingress Protection (IP) Pollution degree (PD) Continued on page 0002 ANLAGE (Appendix): 1 Dem Zertifikat liegt unsere Prüf- und Zertifiz: des Produktes mit den oben genannten Standde in Ländern, in denen das Produkt in Verkehr betrachtet werden. Die Herstellung des zertifi This certificate is based on our Testing and Co of the product with the standards and testing requirements in countries where the product in additionally. The manufacturing of the certific	<ul> <li>(zzz=148-59</li> <li>2) Force-L2-48</li> <li>(zzz=148-37</li> <li>a) 3.552 * n (</li> <li>a) 3.552 * n (</li> <li>c) 3.552 * n (</li> <li>c) 3.552 * n (</li> <li>c) 48</li> <li>c) 100</li> <li>c) 74 (each Ba</li> <li>DVC) : II</li> <li>c) I</li> <li>c) I</li></ul>	22, in step of -zzz 0, in step of n=2 to 8) n=2 to 5) ttery Module) ttery Module)		g

#### Zertifikat Certificate TÜVRheinland Zertifikat Nr. Certificate No. **Blatt** Sheet 0002 R 50458257 Unser Zeichen Our Reference Ihr Zeichen Client Reference Ausstellungsdatum Date of Issue Elvis Xu 01-DB-50279924 001 20.01.2020 (day/mo/yr) Genehmigungsinhaber License Holder Fertigungsstätte Manufacturing Plant Pylon Technologies Co., Ltd. Pylon Technologies Co., Ltd. No. 73, Lane 887, Zu Chongzhi Road, Plant 8, Zhangjiang Hi-Tech Park, Pudong No.505 Kunkai Road, JinXi Town, Shanghai 201203 Kunshan City, Jiangsu Province P. R. China P. R. China Prüfzeichen Test Mark Geprüft nach Tested acc. to VDE-AR-E 2510-50:2017 Bauart geprüft 2 PfG 2698/08.19 Sicherheit Regelmäßige Produktions überwachung R TÜVRheinland www.tuv.com ID 1419077941 ZERTIFIZIERT Zertifiziertes Produkt (Geräteidentifikation) Lizenzentgelte - Einheit **Certified Product** (Product Identification) License Fee - Unit Energiespeichersystem (LFP Lithium Ion Energy Storage System) as page 0001 continuation Charging temp. upper limit 5500 : Charging temp. lower limit -8°C • Dsicharging temp. lower limit : -10°C Altitude [m] 4000 Remark(s): The installation has to be carried out according to the attached installation instruction. Any additional requirements in countries where the product is going to be marketed have to be considered additionally.

#### ANLAGE (Appendix): 1.0

10/020 d 04 08 @

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde und es bestätigt die Konformität des Produktes mit den oben genannten Standards und Prüfgrundlagen. Zusätzliche Anforderungen in Ländern, in denen das Produkt in Verkehr gebracht werden soll, müssen zusätzlich betrachtet werden. Die Herstellung des zertifizierten Produktes wird überwacht. This certificate is based on our Testing and Certification Regulation and states the conformity of the product with the standards and testing requirements as indicated above. Any additional requirements in countries where the product is going to be marketed have to be considered additionally. The manufacturing of the certified product is subject to surveillance.

**TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg** Tel.: +49 221 806-1371 e-mail: cert-validity@de.tuv.com Fax: +49 221 806-3935 http://www.tuv.com/safety



#### Test Report No. 64.168.21.60082.01Q Rev. 00 Dated 2022-01-27



Applicant:	Pylon Technologies Co., Ltd.	
Address:	No. 73, Lane 887, Zu Chongzhi Road, Zhangjiang Hi-Tech Park, Pudong, 201203 Shanghai, P.R. China	
Sample Description:	Rechargeable Li-ion Battery excluding cell, Battery Controller	
Model No.:	Force-L1(FC0048+FL48074), Force-L2(FC0048M+FL4874M), Force-H2(FC0500M+FH9637M), PowerCube-M2A-180(S1000M2A180+HM2A180), PowerCube-M3A- 100(SC1000M3A100+SC1500M3A100+HM3A100), PowerCube-M3A- 180(SC1000M3A180+SC1500M3A180+HM3A180), LV-HUB, MBMS1000	
Sample Received Date:	2021-04-20, 2021-10-09, 2022-01-13	
Test Period:	From 2021-04-27 to 2022-01-27	
Purpose of examination:	Based on randomly-sampled examination of the evaluated Product, test Lead, Mercury, Cadmium, Chromium VI, Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs), DEHP, BBP, DBP and DIBP according to RoHS (Restriction of Hazardous Substances) directive 2011/65/EU and its amendment (EU) 2015/863.	
Test Result:	Refer to following page(s)	
Remark:	The result relates only to the items tested.	

TÜV SÜD Certification and Testing (China) Co., Ltd. Guangzhou Branch **TÜV SÜD Group** 

Prepared by:

Lily Feng **Project Handler** 



Reviewed by:

Kevin 21

Kevin Zhang **Designated Reviewer** 

This technical report may only be quoted in full. Any use for advertising purposes must be granted in writing. This report is the result of a single examination of the object in question and is not generally applicable evaluation of the quality of other products in regular production. nch

TU	V SUD Certification and T	esting (China	) Co., Ltd.	Guangzhou	Brand
ΤÜ	V SÜD Group	- •		-	
5F	Communication Building	163 Pinavun	Rd Huan	anu West Δι	10

Tel.: (86) 20 38320668 Fax: (86) 20 38320478

5F, Communication Building, 163 Guangzhou 510656, P.R. China 163 Pingyun Rd, Huangpu West Ave.



### SUMMARY OF TEST RESULTS

No.	Test Requested	Conclusion	Remarks
1.	Heavy Metal (Pb, Cd, Hg and Cr VI) Content	PASS	/
2.	Polybrominated Biphenyls (PBBs) and Polybrominated Diphenyl Ethers (PBDEs) Content	PASS	/
3.	Phthalates (DEHP, BBP, DBP and DIBP) Content	PASS	/



Page: 2 of 139