

st Report	No.:	SHAEC23000366227	Date:	Feb 22, 2023	Page 1 of 20		
Client Name:	SIHONG HO	NGXIN SEMICONDUCTOR	R CO., LTD.				
Client Address: NO. 12, EAST ZONE, ELECTRONIC INFORMATION INDUSTRIAL PARK, SIHONG ECONOMIC DEVELOPMENT ZONE, SIHONG COUNTRY, SUQIAN CITY. JIANGSU PROVINCE, CHINA							
Sample Name:		SMD					
Client Ref. Infor		GPP Chip; SKY Chip; Lea Perform/Solder Wire; Mold Compound (halogen Free Molding Compound (halog Immation were provided by the	ling Compound 2); Molding en Free 4);	l(halogen Free Compound(hal	1); Molding		
SGS Job No.:	:	SP23-000791					
Sample Receivi	ing Date:	Jan 10, 2023					
Testing Period:		Jan 10, 2023 ~ Feb 02, 202	3				
Test Requested	1:	Select test(s) as requested	by the client.				
Test Method(s)	:	Please refer to next page(s)	).				
Test Result(s):		Please refer to next page(s)	).				
Test Require					Conclusion		
2011/65/EU- L biphenyls (PB	ead, Mercury, Bs), Polybrom	5/863 amending Annex II to Cadmium, Hexavalent chro inated diphenyl ethers (PBD zyl phthalate (BBP), Dibuty	omium, Polybro DEs), Bis(2-eth	ylhexyl)	Pass		

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

and Luo

Diisobutyl phthalate (DIBP)

Carol Luo Approved 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-Document.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 Cilent's instructions, if any. The Company's sole responsibility is to its Cilent 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 tis 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.

3<sup>er</sup>Building,No.889 Yishan Road Xuhui District,Shanghai China 200233 中国 · 上海 · 徐汇区宜山路889号3号楼 邮编: 200233



## **Test Report**

### No.: SHAEC23000366227

Date: Feb 22, 2023

### Test Result(s):

Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	A2	SHA23-0003662-0001.C002	Silvery metal
SN2	A4	SHA23-0003662-0001.C004	Black solid
SN3	A5	SHA23-0003662-0001.C005	Silvery/black solid
SN4	A8	SHA23-0003662-0001.C008	Black solid
SN5	A9	SHA23-0003662-0001.C009	Black solid
SN6	A10	SHA23-0003662-0001.C010	Black solid
SN7	A11	SHA23-0003662-0001.C011	Copper metal
SN8	A27	SHA23-0003662-0001.C027	Silvery metal wire
SN9	A39	SHA23-0003662-0001.C039	Silvery/grey solid

Remarks:

(1) 1 mg/kg = 1 ppm = 0.0001%

(2) MDL = Method Detection Limit

(3) ND = Not Detected (< MDL)

(4) "-" = Not Regulated

### EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU- Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBBs), Polybrominated diphenyl ethers (PBDEs), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP)

Test Method:

With reference to IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013, IEC 62321-7-1:2015,
IEC 62321-6:2015 and IEC62321-8:2017, analysis was performed by ICP-OES, UV-Vis and GC-MS.

Test Item(s)	Limit	Unit(s)	MDL	A2	A11
Cadmium(Cd)	100	mg/kg	2	ND	ND
Lead(Pb)	1000	mg/kg	2	41	11
Mercury(Hg)	1000	mg/kg	2	ND	ND
Hexavalent Chromium (Cr(VI))▼	-	µg/cm²	0.10	ND	ND
Polybromobiphenyl (PBBs)	1000	mg/kg	-	ND	ND
Monobromobiphenyl (MonoBB)	-	mg/kg	5	ND	ND
Dibromobiphenyl (DiBB)	-	mg/kg	5	ND	ND
Tribromobiphenyl (TriBB)	-	mg/kg	5	ND	ND
Tetrabromobiphenyl (TetraBB)	-	mg/kg	5	ND	ND
Pentabromobiphenyl (PentaBB)	-	mg/kg	5	ND	ND
Hexabromobiphenyl (HexaBB)	-	mg/kg	5	ND	ND
Heptabromobiphenyl (HeptaBB)	-	mg/kg	5	ND	ND
Octabromobiphenyl (OctaBB)	-	mg/kg	5	ND	ND
Nonabromobiphenyl (NonaBB)	-	mg/kg	5	ND	ND
Decabromobiphenyl (DecaBB)	-	mg/kg	5	ND	ND
Polybromodiphenyl ether(PBDEs)	1000	mg/kg	-	ND	ND
Monobromodiphenylether (MonoBDE)	-	mg/kg	5	ND	ND
Dibromodiphenylether (DiBDE)	-	mg/kg	5	ND	ND
Tribromodiphenylether (TriBDE)	-	mg/kg	5	ND	ND
Tetrabromodiphenylether (TetraBDE)	-	mg/kg	5	ND	ND



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.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 exencise 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 for fer only to the sample(s) tested. Attention: To check the authenticity of testing inspection report & certificate, please contact us at telephone: (86-755) 8307 1443,

3<sup>rd</sup>Building,No.889 Yishan Road Xuhui District,Shanghai China 200233 中国・上海・徐汇区宜山路889号3号楼 邮编: 200233



<b>Fes</b>	t Report No.: SHAEC23000366	227	Date:	Feb 22, 20	)23	Page 3 of 20
	Test Item(s)	Limit	Unit(s)	MDL	A2	A11
	Pentabromodiphenylether (PentaBDE)	-	mg/kg	5	ND	ND
	Hexabromodiphenylether (HexaBDE)	-	mg/kg	5	ND	ND
	Heptabromodiphenylether (HeptaBDE)	-	mg/kg	5	ND	ND
	Octabromodiphenylether (OctaBDE)	-	mg/kg	5	ND	ND
	Nonabromodiphenylether (NonaBDE)	-	mg/kg	5	ND	ND
	Decabromodiphenylether (DecaBDE)	-	mg/kg	5	ND	ND
	Dibutyl Phthalate(DBP)	1000	mg/kg	50	ND	ND
	Benzyl Butyl Phthalate(BBP)	1000	mg/kg	50	ND	ND
	Bis-(2-ethylhexyl) Phthalate(DEHP)	1000	mg/kg	50	ND	ND
	Diisobutyl Phthalate(DIBP)	1000	mg/kg	50	ND	ND

### Notes:

т

- (1) The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863.
- (2) IEC 62321 series is equivalent to EN 62321 series.
- (3) ▼ = a. The sample is positive for Cr(VI) if the Cr(VI)concentration is greater than 0.13 µg/cm<sup>2</sup>. The sample coating is considered to contain Cr(VI)
  - b. The sample is negative for Cr(VI) if Cr(VI) is ND (concentration less than 0.10 μg/cm<sup>2</sup>). The coating is considered a non-Cr(VI) based coating
  - c. The result between  $0.10 \ \mu g/cm^2$  and  $0.13 \ \mu g/cm^2$  is considered to be inconclusive unavoidable coating variations may influence the determination

Information on storage conditions and production date of the tested sample is unavailable and thus Cr(VI) results represent status of the sample at the time of testing.

### EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU- Lead, Mercury,

### <u>Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBBs), Polybrominated diphenyl ethers</u> (PBDEs), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Dissobutyl phthalate (DIRP)

### and Diisobutyl phthalate (DIBP)

Test Method: With reference to IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013, IEC 62321-7-2:2017, IEC 62321-6:2015 and IEC62321-8:2017, analysis was performed by ICP-OES, UV-Vis and GC-MS.

Test Item(s)	Limit	Unit(s)	MDL	A4	A5	A8
Cadmium(Cd)	100	mg/kg	2	ND	ND	ND
Lead (Pb)	1000	mg/kg	2	ND	43560▲	ND
Mercury (Hg)	1000	mg/kg	2	ND	ND	ND
Hexavalent Chromium (Cr(VI))	1000	mg/kg	8	ND	ND	ND
Polybromobiphenyl (PBBs)	1000	mg/kg	-	ND	ND	ND
Monobromobiphenyl (MonoBB)	-	mg/kg	5	ND	ND	ND
Dibromobiphenyl (DiBB)	-	mg/kg	5	ND	ND	ND
Tribromobiphenyl (TriBB)	-	mg/kg	5	ND	ND	ND
Tetrabromobiphenyl (TetraBB)	-	mg/kg	5	ND	ND	ND
Pentabromobiphenyl (PentaBB)	-	mg/kg	5	ND	ND	ND
Hexabromobiphenyl (HexaBB)	-	mg/kg	5	ND	ND	ND
Heptabromobiphenyl (HeptaBB)	-	mg/kg	5	ND	ND	ND
Octabromobiphenyl (OctaBB)	-	mg/kg	5	ND	ND	ND
Nonabromobiphenyl (NonaBB)	-	mg/kg	5	ND	ND	ND
Decabromobiphenyl (DecaBB)	-	mg/kg	5	ND	ND	ND



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-end-Countent.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 is appearance of this document is unavulariated the produced 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 unavulariated the authenticity of testing (inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, Attention: To check the authenticity of testing (inspection report & certificate, please contact us at telephone: (86-755) 8307 1443,

3<sup>rd</sup>Building,No.889 Yishan Road Xuhui District,Shanghai China 200233 中国 · 上海 · 徐汇区宜山路889号3号楼 邮编: 200233



Test Item(s)	Lincit	Linit(a)	MDL	Δ.4	۸ <i>۲</i>	۸0
Test Item(s) Polybromodiphenyl ether(PBDEs)	Limit 1000	Unit(s) mg/kg	INIDL	A4 ND	A5 ND	A8 ND
Monobromodiphenylether	1000	nig/kg	-	ND	ND	ND
(MonoBDE)	-	mg/kg	5	ND	ND	ND
Dibromodiphenylether (DiBDE)	-	mg/kg	5	ND	ND	ND
Tribromodiphenylether (TriBDE)	-	mg/kg	5	ND	ND	ND
Tetrabromodiphenylether						
(TetraBDE)	-	mg/kg	5	ND	ND	ND
Pentabromodiphenylether	-	mg/kg	5	ND	ND	ND
(PentaBDE)			•			
Hexabromodiphenylether (HexaBDE)	-	mg/kg	5	ND	ND	ND
Heptabromodiphenylether			_			
(HeptaBDE)	-	mg/kg	5	ND	ND	ND
Octabromodiphenylether	_	mg/kg	5	ND	ND	ND
(OctaBDE)	-	iiig/kg	5			
Nonabromodiphenylether (NonaBDE)	-	mg/kg	5	ND	ND	ND
Decabromodiphenylether						
(DecaBDE)	-	mg/kg	5	ND	ND	ND
Dibutyl Phthalate(DBP)	1000	mg/kg	50	ND	ND	ND
Benzyl Butyl Phthalate(BBP)	1000	mg/kg	50	ND	ND	ND
Bis-(2-ethylhexyl) Phthalate(DEHP)	1000	mg/kg	50	ND	ND	ND
Diisobutyl Phthalate(DIBP)	1000	mg/kg	50	ND	ND	ND
				•		
Test Item(s)	Limit	Unit(s)	MDL	A9	A10	A39
Cadmium(Cd)	100	mg/kg	2	ND	ND	ND
Lead (Pb)	1000	mg/kg	2	ND	ND	ND
Mercury (Hg)	1000	mg/kg	2	ND	ND	ND
Hexavalent Chromium (Cr(VI))	1000	mg/kg	8	ND	ND	ND
Polybromobiphenyl (PBBs)	1000	mg/kg	-	ND	ND	ND
Monobromobiphenyl (MonoBB)	-	mg/kg	5	ND	ND	ND
Dibromobiphenyl (DiBB)	-	mg/kg	5	ND	ND	ND
Tribromobiphenyl (TriBB)	-	mg/kg	5	ND	ND	ND
Tetrabromobiphenyl (TetraBB)	-	mg/kg	5	ND	ND	ND
Pentabromobiphenyl (PentaBB)	-	mg/kg	5	ND	ND	ND
Hexabromobiphenyl (HexaBB)	-	mg/kg	5	ND	ND	ND
Heptabromobiphenyl (HeptaBB)	-	mg/kg	5	ND	ND	ND
Octabromobiphenyl (OctaBB)	-	mg/kg	5	ND	ND	ND
Nonabromobiphenyl (NonaBB)	-	mg/kg	5	ND	ND	ND
Decabromobiphenyl (DecaBB)	-	mg/kg	5	ND	ND	ND
Polybromodiphenyl ether(PBDEs)	1000	mg/kg	-	ND	ND	ND
Monobromodiphenylether						
(MonoBDE)	-	mg/kg	5	ND	ND	ND
Dibromodiphenylether (DiBDE)	-	mg/kg	5	ND	ND	ND
Tribromodiphenylether (TriBDÉ)	-	mg/kg	5	ND	ND	ND
Tetrabromodiphenylether (TetraBDE)	-	mg/kg	5	ND	ND	ND



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document 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. 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 resputs shown in this test report refer only to the sample(s) tested. Attention: <u>To check the authenticity of testing of Inspection report & certificate, please contact us at telephone: (86-755)8307 1443, Attention: <u>To check the authenticity of testing (Inspection report & certificate, please contact us at telephone: (86-755)8307 1443, Attention: <u>To check the authenticity of testing (Inspection report & certificate, please contact us at telephone: (86-755)8307 1443, Attention: <u>To check the authenticity of testing (Inspection report & certificate, please contact us at telephone: (86-755)8307 1443, Attention: <u>To check the authenticity of testing (Inspection report & certificate, please contact us at telephone: (86-755)8307 1443, Attention: <u>To check the authenticity of testing</u> (Inspection report & certificate, please contact us at telephone: (86-755)8307 1443, Attention: <u>To check the authenticity of testing</u> (Inspection ter port & </u></u></u></u></u> report & certificate, please contact us at telephone: (86-755) 8307 1443,

3rd Building, No. 889 Yishan Road Xuhui District, Shanghai China 200233 中国・上海・徐汇区宜山路889号3号楼 邮编: 200233



est Report No.:	SHAEC230003	66227	Date	: Feb 22, 20	)23	Page 5 of	20
Test Item(s)	Limit	Unit(s)	MDL	A9	A10	A39	
Pentabromodiphenylether (PentaBDE)	-	mg/kg	5	ND	ND	ND	
Hexabromodiphenylether (HexaBDE)	-	mg/kg	5	ND	ND	ND	
Heptabromodiphenylether (HeptaBDE)	-	mg/kg	5	ND	ND	ND	
Octabromodiphenylether (OctaBDE)	-	mg/kg	5	ND	ND	ND	
Nonabromodiphenylether (NonaBDE)	-	mg/kg	5	ND	ND	ND	
Decabromodiphenylether (DecaBDE)	-	mg/kg	5	ND	ND	ND	
Dibutyl Phthalate(DBP)	1000	mg/kg	50	ND	ND	ND	
Benzyl Butyl Phthalate(BBP)	1000	mg/kg	50	ND	ND	ND	
Bis-(2-ethylhexyl) Phthalate(DEHP)	1000	mg/kg	50	ND	ND	ND	
Diisobutyl Phthalate(DIBP)	1000	mg/kg	50	ND	ND	ND	

#### Notes:

(1) The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863.

(2) IEC 62321 series is equivalent to EN 62321 series.

(3) The restriction of DEHP, BBP, DBP and DIBP shall apply to medical devices, including in vitro medical devices, and monitoring and control instruments, including industrial monitoring and control instruments, from 22 July 2021.

(4) ▲ According to the declaration from the client, Lead (Pb) in No.A5 is exempted by EU RoHS directive 2011/65/EU based on |ANNEX III 7(c)-I|: Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectronic devices, or in a glass or ceramic matrix compound.

### Test Method: With reference to Titration method, IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013, IEC

62321-7-1:2015, IEC 62321-6:2015 and IEC62321-8:2017, analysis was performed by ICP-OES, UV-Vis and GC-MS.

Test Item(s)	Limit	Unit(s)	MDL	A27
Cadmium(Cd)	100	mg/kg	2	ND
Lead(Pb)	0.1	%	-	92.4▲
Mercury(Hg)	1000	mg/kg	2	ND
Hexavalent Chromium (Cr(VI))▼	-	µg/cm²	0.10	ND
Polybromobiphenyl (PBBs)	1000	mg/kg	-	ND
Monobromobiphenyl (MonoBB)	-	mg/kg	5	ND
Dibromobiphenyl (DiBB)	-	mg/kg	5	ND
Tribromobiphenyl (TriBB)	-	mg/kg	5	ND
Tetrabromobiphenyl (TetraBB)	-	mg/kg	5	ND
Pentabromobiphenyl (PentaBB)	-	mg/kg	5	ND
Hexabromobiphenyl (HexaBB)	-	mg/kg	5	ND
Heptabromobiphenyl (HeptaBB)	-	mg/kg	5	ND
Octabromobiphenyl (OctaBB)	-	mg/kg	5	ND
Nonabromobiphenyl (NonaBB)	-	mg/kg	5	ND
Decabromobiphenyl (DecaBB)	-	mg/kg	5	ND



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="http://www.sgs.com/en/Terms-and-Conditions.aspx">http://www.sgs.com/en/Terms-and-Conditions.aspx</a> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx">http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx</a>. 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 Cilent's instructions, if any. The Company's sole responsibility is to its Cilent 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. Attention: To check the authenticity of testing (inspection report & certificate, please contact us at telephone: (86-755)8307 1443,

3<sup>rd</sup>Building,No.889 Yishan Road Xuhui District,Shanghai China 200233 中国 · 上海 · 徐汇区宜山路889号3号楼 邮编: 200233



т

<b>No.:</b> SHAEC23000366227	Date:	Feb 22, 2023	3	Page 6 of 20
Test Item(s)	Limit	Unit(s)	MDL	A27
Polybromodiphenyl ether(PBDEs)	1000	mg/kg	-	ND
Monobromodiphenylether (MonoBDE)	-	mg/kg	5	ND
Dibromodiphenylether (DiBDE)	-	mg/kg	5	ND
Tribromodiphenylether (TriBDE)	-	mg/kg	5	ND
Tetrabromodiphenylether (TetraBDE)	-	mg/kg	5	ND
Pentabromodiphenylether (PentaBDE)	-	mg/kg	5	ND
Hexabromodiphenylether (HexaBDE)	-	mg/kg	5	ND
Heptabromodiphenylether (HeptaBDE)	-	mg/kg	5	ND
Octabromodiphenylether (OctaBDE)	-	mg/kg	5	ND
Nonabromodiphenylether (NonaBDE)	-	mg/kg	5	ND
Decabromodiphenylether (DecaBDE)	-	mg/kg	5	ND
Dibutyl Phthalate(DBP)	1000	mg/kg	50	ND
Benzyl Butyl Phthalate(BBP)	1000	mg/kg	50	ND
Bis-(2-ethylhexyl) Phthalate(DEHP)	1000	mg/kg	50	ND
Diisobutyl Phthalate(DIBP)	1000	mg/kg	50	ND

#### Notes:

(1) The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863.

(2) IEC 62321 series is equivalent to EN 62321 series

(3)  $\mathbf{\nabla}$  = a. The sample is positive for CrVI if the CrVI concentration is greater than 0.13 µg/cm<sup>2</sup>. The sample coating is considered to contain CrVI.

b. The sample is negative for CrVI if CrVI is ND (concentration less than 0.10  $\mu$ g/cm<sup>2</sup>). The coating is considered a non-CrVI based coating.

c. The result between 0.10  $\mu$ g/cm<sup>2</sup> and 0.13  $\mu$ g/cm<sup>2</sup> is considered to be inconclusive - unavoidable coating variations may influence the determination.

Information on storage conditions and production date of the tested sample is unavailable and thus Cr(VI) results represent status of the sample at the time of testing.

(4) ▲ According to the declaration from the client, Lead (Pb) in No.A27 is exempted by EU RoHS directive 2011/65/EU based on |ANNEX III 7(a)|: Lead in high melting temperature type solders (i.e. lead-based alloys containing 85 % by weight or more lead).

Results & photo(s) of this report refer to test report SHAEC23000366221

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019.



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-end-Countent.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document again 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, and within the limits of client's instructions, if any. The Company's sole responsibility is to its Client and this document, and thereon reflects the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unavual to abligations under the transaction documents. This document is content to the content or appearance of this document is unavual and offenders may be prosecuted to the fulles textent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. Attention: To check the authenticity of testing (inspection report & certificate, please contact us at telephone: (86-755)8307 1443,

3<sup>rd</sup>Building,No.889 Yishan Road Xuhui District,Shanghai China 200233 t E& 中国・上海・徐江区宜山路889号3号楼 邮编: 200233 t HI



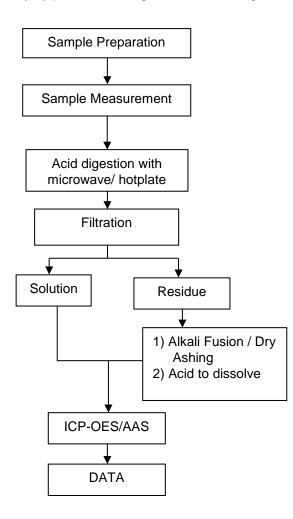
No.: SHAEC23000366227

Date: Feb 22, 2023

Page 7 of 20

### Elements (IEC62321) Testing Flow Chart

These samples were dissolved totally by pre-conditioning method according to below flow chart.





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/T ort & certificate, please contact us at telephone: (86-755) 8307 1443,

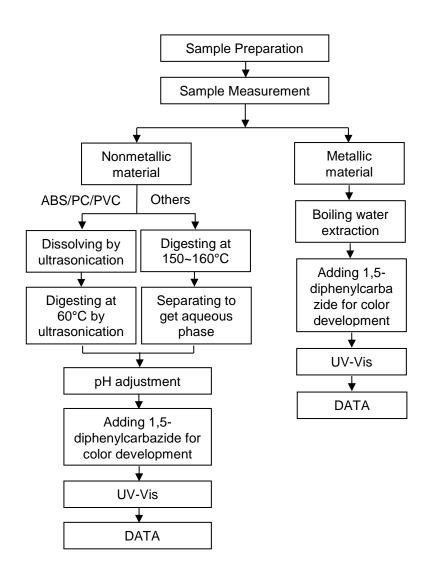
3<sup>rd</sup>Building,No.889 Yishan Road Xuhui District,Shanghai China 200233 t E&E (86-21) 61402553 f E&E (86-21)64953679 中国・上海・徐汇区宜山路889号3号楼 邮编: 200233

www.sgsgroup.com.cn t HL (86-21) 61402594 f HL (86-21) 61156899 e sgs.china@sgs.com



No.: SHAEC23000366227

Hexavalent Chromium (Cr(VI)) Testing Flow Chart





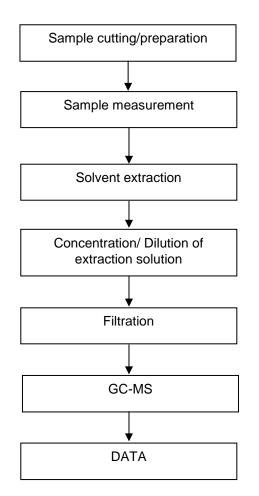
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-en-Document.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 cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or reguest ated the results shown in this test report refer only to the sample(s) tested.

3<sup>rd</sup>Building,No.889 Yishan Road Xuhui District,Shanghai China 200233 中国 · 上海 · 徐汇区宜山路889号3号楼 邮编: 200233



### No.: SHAEC23000366227

#### **PBBs/PBDEs Testing Flow Chart**





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.aspx and, for electronic format documents, 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 and within the limits of client's instructions, if any. The Company's sole responsibility is to its Client and 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 unavulual 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. Attention: To check the authenticity of testing (inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, report & certificate, please contact us at telephone: (86-755) 8307 1443,

3<sup>rd</sup>Building,No.889 Yishan Road Xuhui District,Shanghai China 200233 t E&E (86-21) 61402553 f E&E (86-21)64953679 www.sgsgroup.com.cn 中国・上海・徐汇区宜山路889号3号楼 邮编: 200233 t HL (86-21) 61402594 f HL (86-21) 61156899

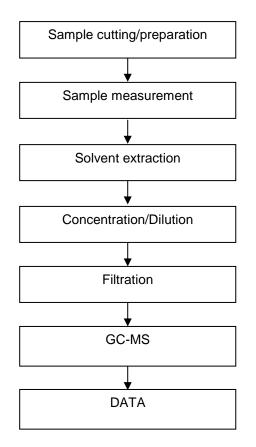
e sgs.china@sgs.com



#### No.: SHAEC23000366227

Date: Feb 22, 2023

#### **Phthalates Testing Flow Chart**





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.aspx and, for electronic format documents, 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 and within the limits of client's instructions, if any. The Company's sole responsibility is to its Client and 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 unavulual 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. Attention: To check the authenticity of testing (inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, eport & certificate, please contact us at telephone: (86-755) 8307 1443,

3<sup>rd</sup>Building,No.889 Yishan Road Xuhui District,Shanghai China 200233 中国・上海・徐汇区宜山路889号3号楼 邮编: 200233 t HL (86-21) 61402594 f HL (86-21) 61156899

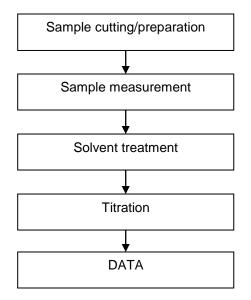
t E&E (86-21) 61402553 f E&E (86-21)64953679 www.sgsgroup.com.cn e sgs.china@sgs.com



No.: SHAEC23000366227

Test Report ATTACHMENTS

### **Titration Testing Flow Chart**

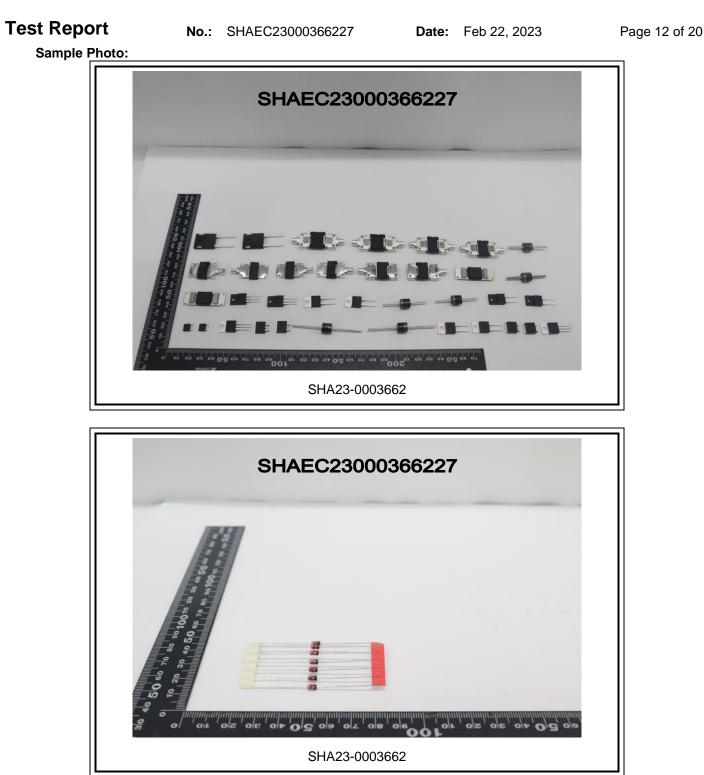




Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document 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. 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 resputs shown in this test report refer only to the sample(s) tested. Attention: <u>To check the authenticity of testing of Inspection report & certificate, please contact us at telephone: (86-755)8307 1443, Attention: <u>To check the authenticity of testing (Inspection report & certificate, please contact us at telephone: (86-755)8307 1443, Attention: <u>To check the authenticity of testing (Inspection report & certificate, please contact us at telephone: (86-755)8307 1443, Attention: <u>To check the authenticity of testing (Inspection report & certificate, please contact us at telephone: (86-755)8307 1443, Attention: <u>To check the authenticity of testing (Inspection report & certificate, please contact us at telephone: (86-755)8307 1443, Attention: <u>To check the authenticity of testing</u> (Inspection report & certificate, please contact us at telephone: (86-755)8307 1443, Attention: <u>To check the authenticity of testing</u> (Inspection ter port & </u></u></u></u></u>

3<sup>4\*</sup>Building.No.889 Yishan Road Xuhui District,Shanghai China 200233 t E&E (86-21) 61 中国・上海・徐汇区宜山路889号3号楼 邮编: 200233 t HL (86-21) 614



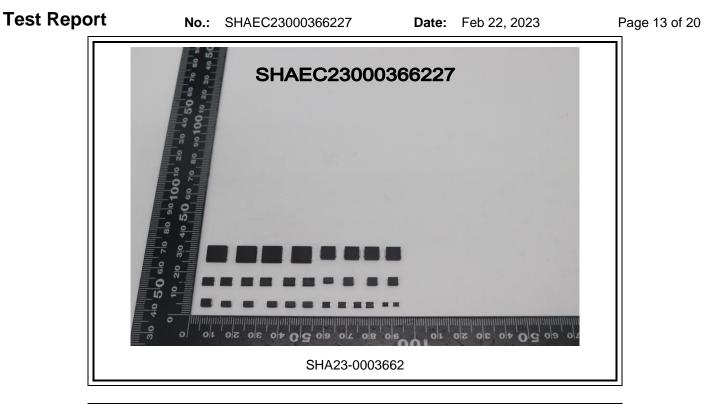


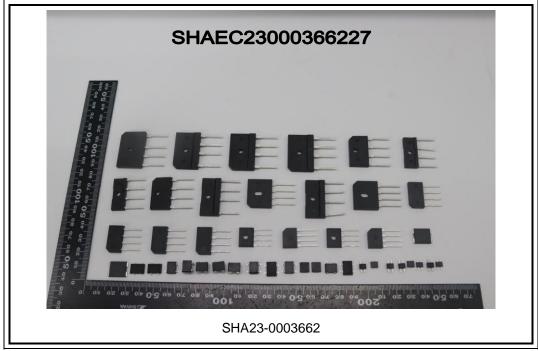


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="http://www.sgs.com/en/Terms-and-Conditions.aspx">http://www.sgs.com/en/Terms-and-Conditions.aspx</a> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx">http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx</a>. 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 Cilent's instructions, if any. The Company's sole responsibility is to its Cilent 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. Attention: To check the authenticity of testing inspection report & certificate, please contact us at telephone: (86-755) 8307 1443,

3<sup>ré</sup>Building,No.889 Yishan Road Xuhui District,Shanghai China 200233 中国·上海·徐汇区宜山路889号3号楼 邮编: 200233





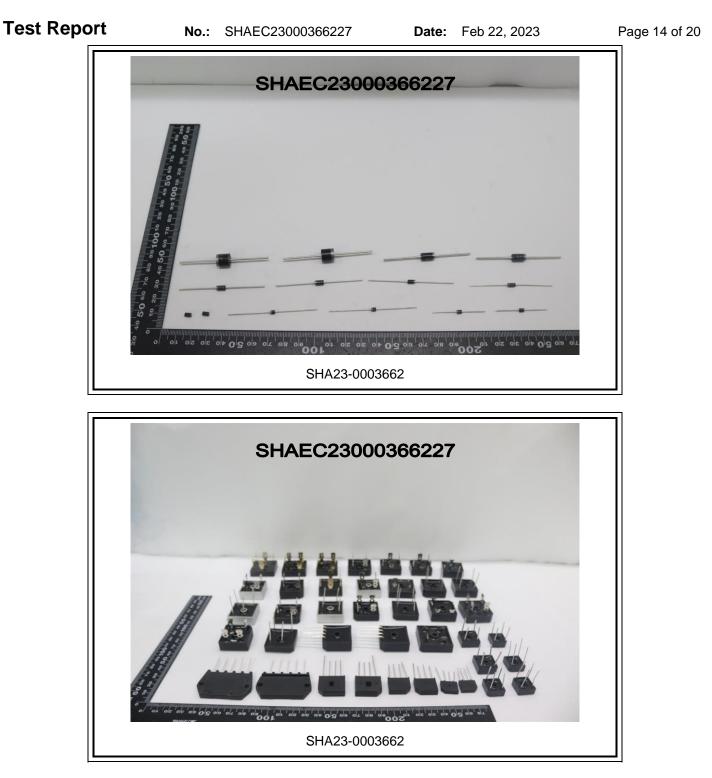




Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-en-Document.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 appx. Ternsource parties to a gapearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the aw. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

3<sup>rd</sup>Building,No.889 Yishan Road Xuhui District,Shanghai China 200233 中国・上海・徐汇区宜山路889号3号楼 邮编: 200233



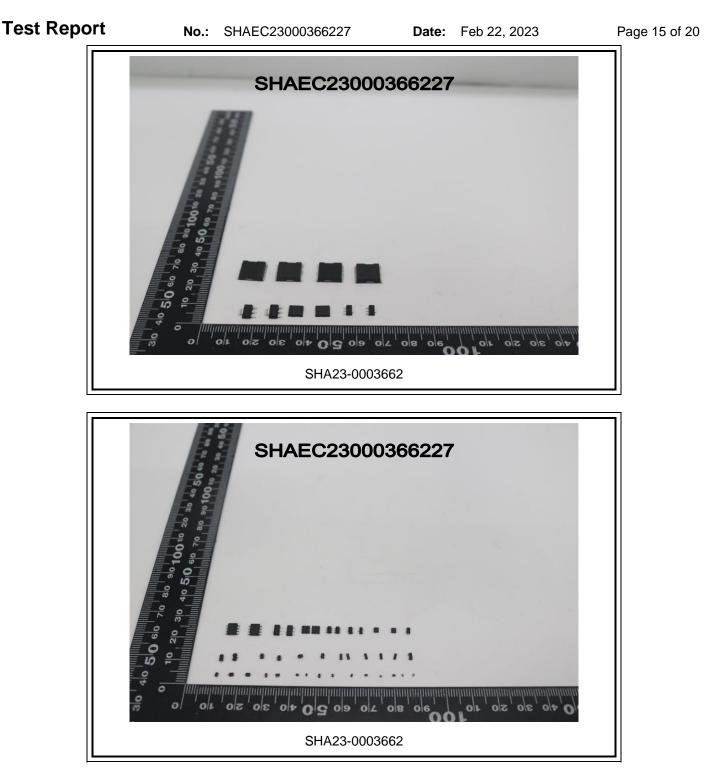




Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-en-Document.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 cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or reguest ated the results shown in this test report refer only to the sample(s) tested.

3<sup>rd</sup>Building,No.889 Yishan Road Xuhui District,Shanghai China 200233 中国・上海・徐汇区宜山路889号3号楼 邮编: 200233



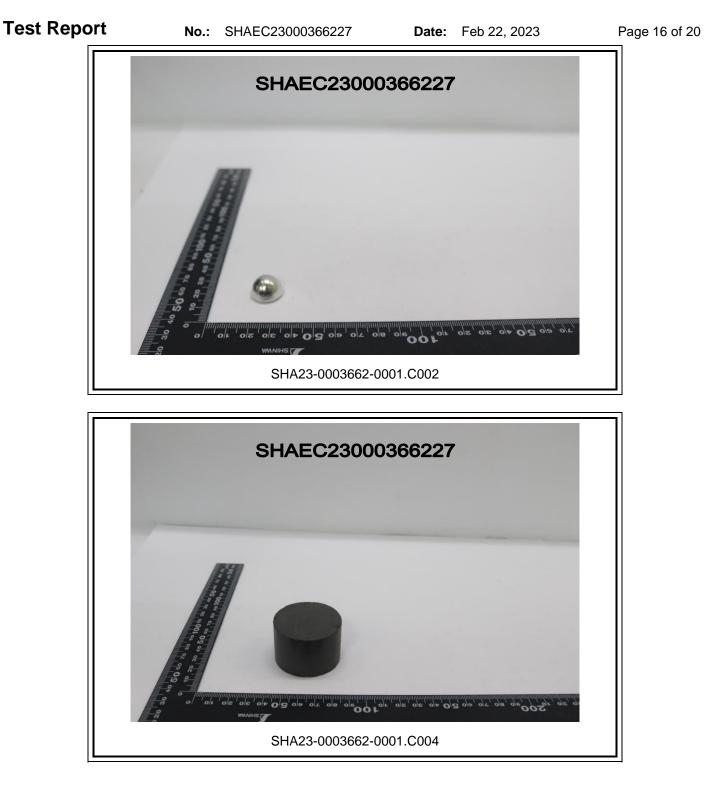




Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, advised that information contained hereon reflects the Company's findings at the time of its intervention only and writin the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document appx. Attention form exercising all their rights and obligations under the transaction documents. This document barles to a 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.

3<sup>ré</sup>Building,No.889 Yishan Road Xuhui District,Shanghai China 200233 中国·上海·徐汇区宜山路889号3号楼 邮编: 200233







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-en-Document.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 appx. Ternsource parties to a gapearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the aw. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

3<sup>rd</sup>Building,No.889 Yishan Road Xuhui District,Shanghai China 200233 中国·上海·徐汇区宜山路889号3号楼 邮编: 200233



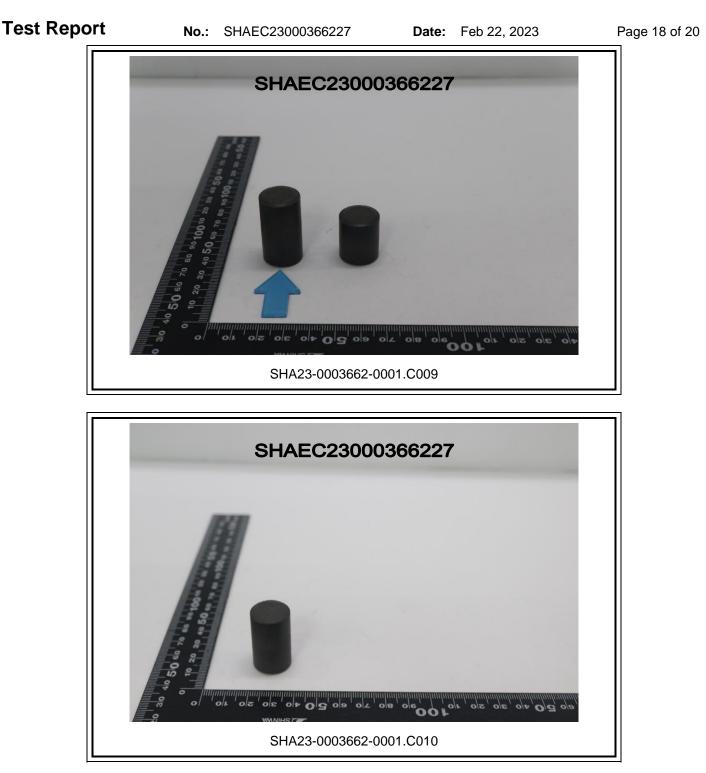




Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-en-Document.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 cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or reguest ated the results shown in this test report refer only to the sample(s) tested.

3<sup>rd</sup>Building,No.889 Yishan Road Xuhui District,Shanghai China 200233 中国·上海·徐汇区宜山路889号3号楼 邮编: 200233



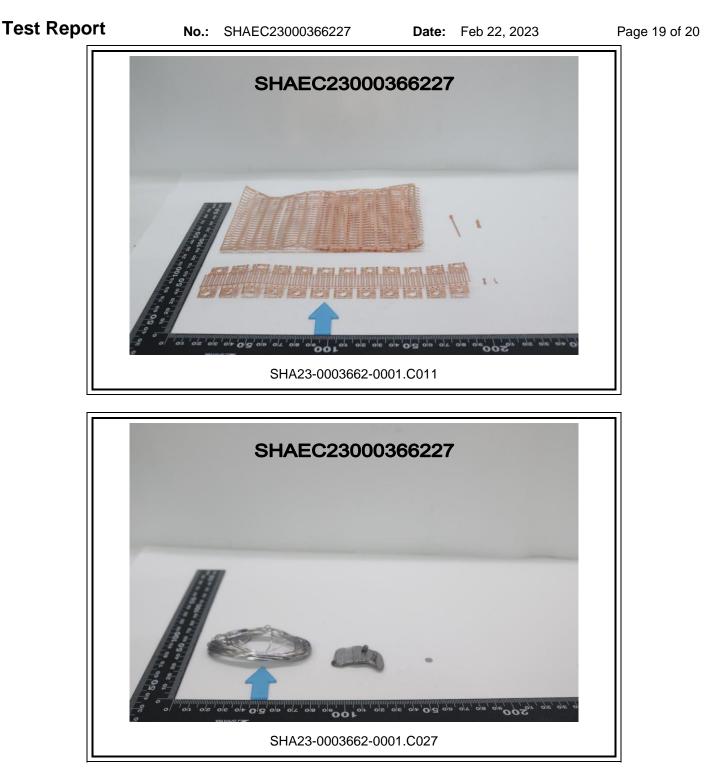




Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-en-Document.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 cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or reguest ated the results shown in this test report refer only to the sample(s) tested.

3<sup>rd</sup>Building,No.889 Yishan Road Xuhui District,Shanghai China 200233 中国·上海·徐汇区宜山路889号3号楼 邮编: 200233







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-en-Document.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 appx. Ternsource parties to a gapearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the aw. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

3<sup>rd</sup>Building,No.889 Yishan Road Xuhui District,Shanghai China 200233 中国・上海・徐汇区宜山路889号3号楼 邮编: 200233





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-en-Document.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 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 unaveruent. This document is stated the results shown in this test report refer only to the sample(s) tested. Attention: To check the authenticity of testing (inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, ort & certificate, please contact us at telephone: (86-755) 8307 1443,

3<sup>rd</sup>Building,No.889 Yishan Road Xuhui District,Shanghai China 200233 t E&E (86-21) 61402553 f E&E (86-21)64953679 www.sgsgroup.com.cn 中国・上海・徐汇区宜山路889号3号楼 邮编: 200233 t HL (86-21) 61402594 f HL (86-21) 61156899

e sgs.china@sgs.com