

Client Name: LEFOO INDUSTRIAL CO.,LTD.  
 Client Address: NO.118 CHANGDA ROAD,LINPING STREET, LINPING DISTRICT, HANGZHOU CITY, ZHEJIANG PROVINCE

Sample Name: Micro Pump  
 Tested Basic Model No.: LFP

The above sample(s) and information were provided by the client.

SGS Job No.: GZP24-009974  
 Reference No.: SHP24-009495  
 Sample Receiving Date: Apr 01, 2024  
 Verification Period: Apr 01, 2024 ~ May 08, 2024  
 Verification Requested: With reference to RoHS Directive (EU) 2015/863 amending 2011/65/EU.  
 Verification Method(s): Please refer to next page(s).  
 Verification Result(s): Please refer to next page(s).

**Test Result Summary:**

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

Signed for and on behalf of  
 SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch



Jenny Liao  
 Approved Signatory

scan to see the report



017530DB



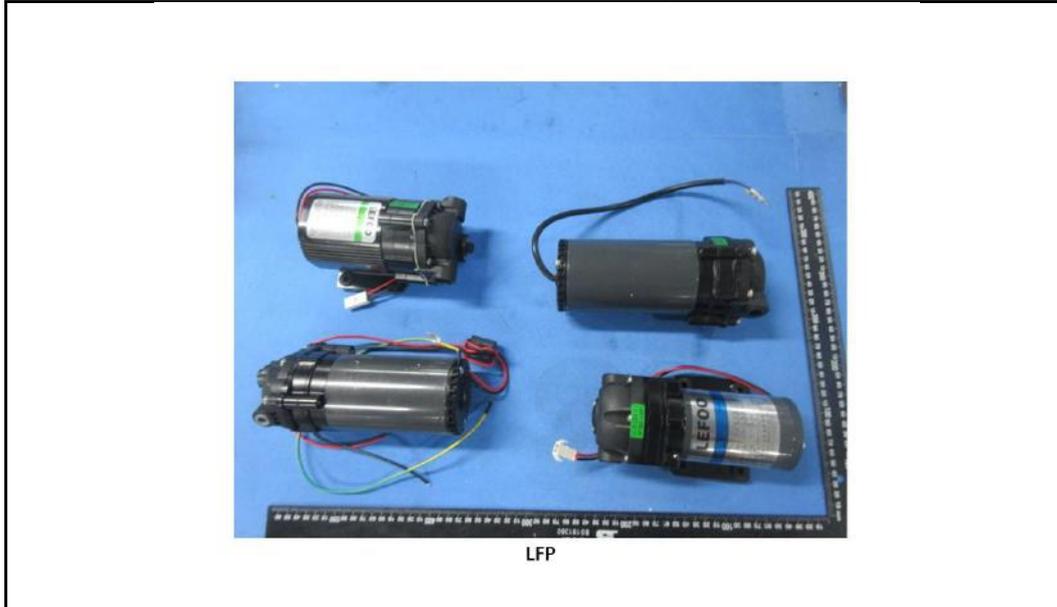
SGS-CSTC Standards Technical Services Co., Ltd.  
 Guangzhou Branch

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 <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.  
**Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com**

No.198, Kezhu Road, Science City Economic & Technological Development Area, Guangzhou, Guangdong, China 510663  
 中国·广东·广州高新技术产业开发区科学城科珠路198号 邮编: 510663

t (86-20) 82155555 www.sgs.com.cn  
 t (86-20) 82155555 sgs.china@sgs.com

Photo of Submitted Sample



**Verification Method(s):**

1. With reference to IEC 62321-2:2021, disassembly and disjointment were performed for the submitted samples.
2. With reference to IEC 62321-1:2013, tests were performed for the samples indicated by the photos in this report.
  - (1) With reference to IEC 62321-3-1:2013, screening by EDXRF spectroscopy.
  - (2) Wet chemical test method: With reference to IEC 62321-4:2013+A1:2017, IEC62321-5:2013, IEC 62321-7-1:2015, IEC 62321-7-2:2017, IEC 62321-12:2023, IEC 62321-6:2015 and IEC62321-8:2017 , analyzed by ICP-OES,UV-Vis and GC-MS.



SGS-CST Standards Technical Services Co., Ltd.  
Guangzhou Branch Technical Laboratory

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 <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.  
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN\\_Doccheck@sgs.com](mailto:CN_Doccheck@sgs.com)

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663  
中国·广东·广州高新技术产业开发区科学城科珠路198号 邮编: 510663

t (86-20) 82155555 www.sgsgroup.com.cn  
t (86-20) 82155555 sgs.china@sgs.com

**Verification Part Description:**

SN ID	Sample No.	SGS Sample ID	Description
SN1	A1	CAN24-0060909-0001.C001	Silvery adhesive plastic sheet with blue&black printing
SN2	A2	CAN24-0060909-0001.C002	Black rubber ring
SN3	A3	CAN24-0060909-0001.C003	Green adhesive plastic sheet with black&blue printing
SN4	A4	CAN24-0060909-0001.C004	White plastic part
SN5	A5	CAN24-0060909-0001.C005	Light red plastic part
SN6	A6	CAN24-0060909-0001.C006	Red plastic (wire insulation)
SN7	A7	CAN24-0060909-0001.C007	Black plastic (wire insulation)
SN8	A8	CAN24-0060909-0001.C008	Silvery metal terminal
SN9	A9	CAN24-0060909-0001.C009	Silvery metal wire
SN10	A10	CAN24-0060909-0001.C010	Silvery metal screw
SN11	A11	CAN24-0060909-0001.C011	Black plastic shell
SN12	A12	CAN24-0060909-0001.C012	Silvery metal screw
SN13	A13	CAN24-0060909-0001.C013	Black plastic part
SN14	A14	CAN24-0060909-0001.C014	Black plastic part
SN15	A15	CAN24-0060909-0001.C015	Black plastic part
SN16	A16	CAN24-0060909-0001.C016	Black surfaced metal spring
SN17	A17	CAN24-0060909-0001.C017	Black plastic screw
SN18	A18	CAN24-0060909-0001.C018	Black rubber ring
SN19	A19	CAN24-0060909-0001.C019	Black plastic part
SN20	A20	CAN24-0060909-0001.C020	Black rubber part
SN21	A21	CAN24-0060909-0001.C021	Black rubber part
SN22	A22	CAN24-0060909-0001.C022	Silvery metal screw
SN23	A23	CAN24-0060909-0001.C023	Black plastic part
SN24	A24	CAN24-0060909-0001.C024	Beige plastic part
SN25	A25	CAN24-0060909-0001.C025	Black rubber ring
SN26	A26	CAN24-0060909-0001.C026	Black surfaced metal part
SN27	A27	CAN24-0060909-0001.C027	Black rubber ring
SN28	A28	CAN24-0060909-0001.C028	Red glue
SN29	A29	CAN24-0060909-0001.C029	Silvery adhesive plastic sheet with black printing
SN30	A30	CAN24-0060909-0001.C030	Silvery metal screw
SN31	A31	CAN24-0060909-0001.C031	Black plastic part
SN32	A32	CAN24-0060909-0001.C032	Black rubber part
SN33	A33	CAN24-0060909-0001.C033.C001	Silvery metal (spring washer)
SN34	A34	CAN24-0060909-0001.C034	Silvery metal washer
SN35	A35	CAN24-0060909-0001.C035	Black rubber ring
SN36	A36	CAN24-0060909-0001.C036	Black plastic (heat shrinkable tube) with white printing
SN37	A37	CAN24-0060909-0001.C037	Copper-colored metal wire
SN38	A38	CAN24-0060909-0001.C038	Dark grey material part
SN39	A39	CAN24-0060909-0001.C039	Black plastic part
SN40	A40	CAN24-0060909-0001.C040.C001	Silvery metal spring
SN41	A41	CAN24-0060909-0001.C041	Black rubber ring



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 <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

SN ID	Sample No.	SGS Sample ID	Description
SN42	A42	CAN24-0060909-0001.C042.C001	Silvery metal part
SN43	A43	CAN24-0060909-0001.C043	Dark grey coating
SN44	A44	CAN24-0060909-0001.C044	Silvery metal shell (base)
SN45	A45	CAN24-0060909-0001.C045	Black coating
SN46	A46	CAN24-0060909-0001.C046	Silvery metal part (base)
SN47	A47	CAN24-0060909-0001.C047	Silvery metal screw
SN48	A48	CAN24-0060909-0001.C048	Black rubber ring
SN49	A49	CAN24-0060909-0001.C049	Green adhesive plastic sheet with black printing
SN50	A50	CAN24-0060909-0001.C050	Black surfaced metal part
SN51	A51	CAN24-0060909-0001.C051	Dark grey magnet
SN52	A52	CAN24-0060909-0001.C052	Black surfaced metal part
SN53	A53	CAN24-0060909-0001.C053	Black plastic part
SN54	A54	CAN24-0060909-0001.C054	Silvery metal screw
SN55	A55	CAN24-0060909-0001.C055	Black plastic part
SN56	A56	CAN24-0060909-0001.C056	Silvery metal ring
SN57	A57	CAN24-0060909-0001.C057	Black rubber part
SN58	A58	CAN24-0060909-0001.C058	Silvery metal ring
SN59	A59	CAN24-0060909-0001.C059	Light golden metal cover
SN60	A60	CAN24-0060909-0001.C060	Silvery metal frame
SN61	A61	CAN24-0060909-0001.C061.C001	Silvery metal part
SN62	A62	CAN24-0060909-0001.C062	Silvery metal bead
SN63	A63	CAN24-0060909-0001.C063	Copper-colored metal sheet
SN64	A64	CAN24-0060909-0001.C064	Blue glue
SN65	A65	CAN24-0060909-0001.C065	Copper-colored enamel-insulated wire
SN66	A66	CAN24-0060909-0001.C066	Silvery metal rod
SN67	A67	CAN24-0060909-0001.C067	Black surfaced metal snap ring
SN68	A68	CAN24-0060909-0001.C068	Silvery metal (silicon steel sheet)
SN69	A69	CAN24-0060909-0001.C069	Green material part with black printing
SN70	A70	CAN24-0060909-0001.C070	White plastic sheet
SN71	A71	CAN24-0060909-0001.C071	Brown plastic frame
SN72	A72	CAN24-0060909-0001.C072	White plastic sheet
SN73	A73	CAN24-0060909-0001.C073	Silvery metal terminal
SN74	A74	CAN24-0060909-0001.C074	Black plastic (cable jacket)
SN75	A75	CAN24-0060909-0001.C075	Yellow/green plastic (wire insulation)
SN76	A76	CAN24-0060909-0001.C076	Blue plastic (wire insulation)
SN77	A77	CAN24-0060909-0001.C077	Brown plastic (wire insulation)
SN78	A78	CAN24-0060909-0001.C078	Copper-colored metal wire
SN79	A79	CAN24-0060909-0001.C079	Brown plastic part
SN80	A80	CAN24-0060909-0001.C080	Silvery metal screw
SN81	A81	CAN24-0060909-0001.C081	Black plastic part
SN82	A82	CAN24-0060909-0001.C082	Silvery metal terminal
SN83	A83	CAN24-0060909-0001.C083	Black plastic (wire insulation)
SN84	A84	CAN24-0060909-0001.C084	Black plastic (heat shrinkable tube) with white printing
SN85	A85	CAN24-0060909-0001.C085	Beige plastic shell with brown printing
SN86	A86	CAN24-0060909-0001.C086	Brown plastic (wire insulation)



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 <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.  
**Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com**

SN ID	Sample No.	SGS Sample ID	Description
SN87	A87	CAN24-0060909-0001.C087	Silvery metal part
SN88	A88	CAN24-0060909-0001.C088.C001	Silvery metal pin
SN89	A89	CAN24-0060909-0001.C089	Black block (envelopment)
SN90	A90	CAN24-0060909-0001.C090	Black plastic shell
SN91	A91	CAN24-0060909-0001.C091.C001	Silvery metal sheet
SN92	A92	CAN24-0060909-0001.C092	Silvery metal sheet
SN93	A93	CAN24-0060909-0001.C093	White plastic part
SN94	A94	CAN24-0060909-0001.C094	Black block (envelopment)
SN95	A95	CAN24-0060909-0001.C095	Copper-colored/silvery metal sheet
SN96	A96	CAN24-0060909-0001.C096	Silvery metal contact dot
SN97	A97	CAN24-0060909-0001.C097	Black plastic part
SN98	A98	CAN24-0060909-0001.C098	Black rubber ring
SN99	A99	CAN24-0060909-0001.C099	Light blue surfaced metal ring
SN100	A100	CAN24-0060909-0001.C100	Black rubber part
SN101	A101	CAN24-0060909-0001.C101	Black plastic part
SN102	A102	CAN24-0060909-0001.C102	Red paper sheet
SN103	A103	CAN24-0060909-0001.C103	Green material part with black printing
SN104	A104	CAN24-0060909-0001.C104	Brown material part
SN105	A105	CAN24-0060909-0001.C105	Dark grey core
SN106	A106	CAN24-0060909-0001.C106	Black plastic (heat shrinkable tube) with white printing
SN107	A107	CAN24-0060909-0001.C107.C001	Yellow/green plastic (wire insulation)
SN108	A108	CAN24-0060909-0001.C108.C001	Black plastic (wire insulation)
SN109	A109	CAN24-0060909-0001.C109	Red plastic (wire insulation)
SN110	A110	CAN24-0060909-0001.C110	Silvery metal terminal
SN111	A111	CAN24-0060909-0001.C111	White adhesive plastic sheet with black printing
SN112	A112	CAN24-0060909-0001.C112	Black rubber part
SN113	A113	CAN24-0060909-0001.C113	White plastic part
SN114	A114	CAN24-0060909-0001.C114	Black plastic part
SN115	A115	CAN24-0060909-0001.C115	Golden metal part
SN116	A116	CAN24-0060909-0001.C116.C001	Silvery metal spring
SN117	A117	CAN24-0060909-0001.C117	Black plastic (heat shrinkable tube) with white printing
SN118	A118	CAN24-0060909-0001.C118	Blue body
SN119	A119	CAN24-0060909-0001.C119	Black body
SN120	A120	CAN24-0060909-0001.C120	Black glue
SN121	A121	CAN24-0060909-0001.C121	Beige plastic shell with black printing
SN122	A122	CAN24-0060909-0001.C122	Green surfaced core
SN123	A123	CAN24-0060909-0001.C123	Yellow plastic shell with black printing
SN124	A124	CAN24-0060909-0001.C124	Copper-colored enamel-insulated wire
SN125	A125	CAN24-0060909-0001.C125	Dark grey core
SN126	A126	CAN24-0060909-0001.C126	Silvery metal sheet
SN127	A127	CAN24-0060909-0001.C127	Silvery metal contact dot



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 <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

SN ID	Sample No.	SGS Sample ID	Description
SN128	A128	CAN24-0060909-0001.C128	Copper-colored/silvery metal sheet
SN129	A129	CAN24-0060909-0001.C129	White plastic part
SN130	A130	CAN24-0060909-0001.C130	Silvery metal sheet
SN131	A131	CAN24-0060909-0001.C131	Black block (envelopment)
SN132	A132	CAN24-0060909-0001.C132	Silvery metal sheet
SN133	A133	CAN24-0060909-0001.C133	Copper-colored enamel-insulated wire
SN134	A134	CAN24-0060909-0001.C134	Beige plastic sheet
SN135	A135	CAN24-0060909-0001.C135	Silvery metal pin
SN136	A136	CAN24-0060909-0001.C136	Yellow block (envelopment)
SN137	A137	CAN24-0060909-0001.C137	Silvery block(filling)
SN138	A138	CAN24-0060909-0001.C138	Brown plastic shell with white printing
SN139	A139	CAN24-0060909-0001.C139	Black plastic part
SN140	A140	CAN24-0060909-0001.C140	Red-brown plastic shell with white printing
SN141	A141	CAN24-0060909-0001.C141	Silvery metal pin
SN142	A142	CAN24-0060909-0001.C142	Black plastic part
SN143	A143	CAN24-0060909-0001.C143	Silvery block(filling)
SN144	A144	CAN24-0060909-0001.C144	Black glue
SN145	A145	CAN24-0060909-0001.C145	Silvery metal solder
SN146	A146	CAN24-0060909-0001.C146	Green "PCB"
SN147	A147	CAN24-0060909-0001.C147	Transparent plastic sheet
SN148	A148	CAN24-0060909-0001.C148	Black rubber ring
SN149	A149	CAN24-0060909-0001.C149	Black rubber ring
SN150	A150	CAN24-0060909-0001.C150	Red paper sheet
SN151	A151	CAN24-0060909-0001.C151	Brown glue
SN152	A152	CAN24-0060909-0001.C152	Copper-colored metal sheet
SN153	A153	CAN24-0060909-0001.C153	Brown plastic part
SN154	A154	CAN24-0060909-0001.C154	Beige plastic part
SN155	A155	CAN24-0060909-0001.C155	Beige plastic part
SN156	A156	CAN24-0060909-0001.C156	Silvery metal terminal
SN157	A157	CAN24-0060909-0001.C157	Silvery metal screw
SN158	A158	CAN24-0060909-0001.C158	Black rubber ring
SN159	A159	CAN24-0060909-0001.C159	Silvery metal washer
SN160	A160	CAN24-0060909-0001.C160	Silvery metal (spring washer)
SN161	A161	CAN24-0060909-0001.C161	Light blue surfaced metal screw
SN162	A162	CAN24-0060909-0001.C162.C001	Light blue surfaced metal (spring washer)
SN163	A163	CAN24-0060909-0001.C163	Light blue surfaced metal washer
SN164	A164	CAN24-0060909-0001.C164	Transparent glue
SN165	A165	CAN24-0060909-0001.C165	Black body
SN166	A166	CAN24-0060909-0001.C166	Black body
SN167	A167	CAN24-0060909-0001.C167	Black body
SN168	A168	CAN24-0060909-0001.C168	Brown body (chip capacitor)
SN169	A169	CAN24-0060909-0001.C169.C001	Brown body (chip capacitor)
SN170	A170	CAN24-0060909-0001.C170	Black body
SN171	A171	CAN24-0060909-0001.C171.C001	Black body
SN172	A172	CAN24-0060909-0001.C172	Black body



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 <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN\\_Doccheck@sgs.com](mailto:CN_Doccheck@sgs.com)

SN ID	Sample No.	SGS Sample ID	Description
SN173	A173	CAN24-0060909-0001.C173	Black body
SN174	A174	CAN24-0060909-0001.C174	Beige plastic part
SN175	A175	CAN24-0060909-0001.C175	Black plastic shell with white printing
SN176	A176	CAN24-0060909-0001.C176	Silvery metal terminal
SN177	A177	CAN24-0060909-0001.C177	Silvery metal shell
SN178	A178	CAN24-0060909-0001.C178	Black rubber cover
SN179	A179	CAN24-0060909-0001.C179	Transparent adhesive plastic sheet
SN180	A180	CAN24-0060909-0001.C180	Brown paper sheet with liquid
SN181	A181	CAN24-0060909-0001.C181	Silver-gray metal sheet
SN182	A182	CAN24-0060909-0001.C182	Silvery metal pin
SN183	A183	CAN24-0060909-0001.C183	White plastic part
SN184	A184	CAN24-0060909-0001.C184	White glue
SN185	A185	CAN24-0060909-0001.C185	White adhesive plastic sheet with black printing
SN186	A186	CAN24-0060909-0001.C186	White plastic part
SN187	A187	CAN24-0060909-0001.C187	Silvery metal pin
SN188	A188	CAN24-0060909-0001.C188.C001	Silvery metal pin
SN189	A189	CAN24-0060909-0001.C189	Green "PCB"
SN190	A190	CAN24-0060909-0001.C190.C001	Silvery metal wire(solder)
SN191	A191	CAN24-0060909-0001.C191	Silvery magnet
SN192	A192	CAN24-0060909-0001.C192	Silvery metal (silicon steel sheet)
SN193	A193	CAN24-0060909-0001.C193	White plastic part
SN194	A194	CAN24-0060909-0001.C194	Black plastic (wire insulation)
SN195	A195	CAN24-0060909-0001.C195	Copper-colored enamel-insulated wire
SN196	A196	CAN24-0060909-0001.C196	Green coating
SN197	A197	CAN24-0060909-0001.C197	Silvery metal (silicon steel sheet)
SN198	A198	CAN24-0060909-0001.C198	Black surfaced metal part



**Verification Result(s):**

Unless otherwise specified, the unit is mg/kg.

Test Item(s)	A1	A2	A3	A4	A5	A6	A7	A8
Cd	BL							
Pb	BL							
Hg	BL							
Cr(VI)▼	BL							
PBB	BL	BL	BL	ND	ND	BL	BL	---
PBDE	BL	BL	BL	ND	ND	BL	BL	---
DBP	ND	---						
BBP	ND	---						
DEHP	ND	---						
DIBP	ND	---						
Conclusion	PASS							

Test Item(s)	A9	A10	A11	A12	A13	A14	A15	A16
Cd	BL							
Pb	BL							
Hg	BL							
Cr(VI)▼	BL	ND	BL	ND	BL	BL	BL	BL
PBB	---	---	BL	---	BL	BL	BL	---
PBDE	---	---	BL	---	BL	BL	BL	---
DBP	---	---	ND	---	ND	ND	ND	---
BBP	---	---	ND	---	ND	ND	ND	---
DEHP	---	---	ND	---	ND	ND	ND	---
DIBP	---	---	ND	---	ND	ND	ND	---
Conclusion	PASS							

Test Item(s)	A17	A18	A19	A20	A21	A22	A23	A24
Cd	BL							
Pb	BL							
Hg	BL							
Cr(VI)▼	BL	BL	BL	BL	BL	ND	BL	BL
PBB	BL	BL	BL	BL	BL	---	BL	BL
PBDE	BL	BL	BL	BL	BL	---	BL	BL
DBP	ND	ND	ND	ND	ND	---	ND	ND
BBP	ND	ND	ND	ND	ND	---	ND	ND
DEHP	ND	ND	ND	ND	ND	---	ND	ND
DIBP	ND	ND	ND	ND	ND	---	ND	ND
Conclusion	PASS							

Test Item(s)	A25	A26	A27	A28	A29	A30	A31	A32
Cd	BL	BL	BL	BL	BL	ND	BL	BL
Pb	BL							
Hg	BL							
Cr(VI)▼	BL	ND	BL	BL	BL	ND	BL	BL
PBB	BL	---	BL	BL	BL	---	ND	BL


 SGS-CST Standards Technical Services Co., Ltd.  
 Guangzhou Branch, Technical Laboratory

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 <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

 No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663  
 中国·广东·广州高新技术产业开发区科学城科珠路198号 邮编: 510663

 t (86-20) 82155555 www.sgs.com.cn  
 t (86-20) 82155555 sgs.china@sgs.com

Test Item(s)	A25	A26	A27	A28	A29	A30	A31	A32
PBDE	BL	---	BL	BL	BL	---	ND	BL
DBP	ND	---	ND	ND	ND	---	ND	ND
BBP	ND	---	ND	ND	ND	---	ND	ND
DEHP	ND	---	ND	ND	ND	---	ND	ND
DIBP	ND	---	ND	ND	ND	---	ND	ND
Conclusion	PASS							

Test Item(s)	A33	A34	A35	A36	A37	A38	A39	A40
Cd	BL							
Pb	BL							
Hg	BL							
Cr(VI)▼	ND	ND	BL	BL	BL	BL	BL	ND
PBB	---	---	BL	BL	---	BL	BL	---
PBDE	---	---	BL	BL	---	BL	BL	---
DBP	---	---	ND	ND	---	ND	ND	---
BBP	---	---	ND	ND	---	ND	ND	---
DEHP	---	---	ND	ND	---	ND	ND	---
DIBP	---	---	ND	ND	---	ND	ND	---
Conclusion	PASS							

Test Item(s)	A41	A42	A43	A44	A45	A46	A47	A48
Cd	BL							
Pb	BL							
Hg	BL							
Cr(VI)▼	BL	BL	BL	ND	BL	ND	ND	BL
PBB	BL	---	BL	---	BL	---	---	BL
PBDE	BL	---	BL	---	BL	---	---	BL
DBP	ND	---	ND	---	ND	---	---	ND
BBP	ND	---	ND	---	ND	---	---	ND
DEHP	ND	---	ND	---	ND	---	---	ND
DIBP	ND	---	ND	---	ND	---	---	ND
Conclusion	PASS							

Test Item(s)	A49	A50	A51	A52	A53	A54	A55	A56
Cd	BL							
Pb	BL							
Hg	BL							
Cr(VI)▼	BL	ND	ND	BL	BL	ND	ND	ND
PBB	BL	---	BL	---	BL	---	BL	---
PBDE	BL	---	BL	---	BL	---	BL	---
DBP	ND	---	---	---	ND	---	ND	---
BBP	ND	---	---	---	ND	---	ND	---
DEHP	ND	---	---	---	ND	---	ND	---
DIBP	ND	---	---	---	ND	---	ND	---
Conclusion	PASS							



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

Test Item(s)	A57	A58	A59	A60	A61	A62	A63	A64
Cd	BL							
Pb	BL							
Hg	BL							
Cr(VI)▼	BL	ND	ND	ND	BL	ND	BL	BL
PBB	BL	---	---	---	---	---	---	BL
PBDE	BL	---	---	---	---	---	---	BL
DBP	ND	---	---	---	---	---	---	ND
BBP	ND	---	---	---	---	---	---	ND
DEHP	ND	---	---	---	---	---	---	ND
DIBP	ND	---	---	---	---	---	---	ND
Conclusion	PASS							

Test Item(s)	A65	A66	A67	A68	A69	A70	A71	A72
Cd	BL							
Pb	BL							
Hg	BL							
Cr(VI)▼	BL	ND	ND	ND	BL	BL	BL	BL
PBB	ND	---	---	---	BL	ND	BL	BL
PBDE	ND	---	---	---	BL	ND	BL	BL
DBP	ND	---	---	---	ND	ND	ND	ND
BBP	ND	---	---	---	ND	ND	ND	ND
DEHP	ND	---	---	---	ND	ND	ND	ND
DIBP	ND	---	---	---	ND	ND	ND	ND
Conclusion	PASS							

Test Item(s)	A73	A74	A75	A76	A77	A78	A79	A80
Cd	BL							
Pb	BL							
Hg	BL							
Cr(VI)▼	BL	ND						
PBB	---	BL	BL	BL	BL	---	BL	---
PBDE	---	BL	BL	BL	BL	---	BL	---
DBP	---	108	152	177	193	---	ND	---
BBP	---	ND	ND	ND	ND	---	ND	---
DEHP	---	ND	ND	ND	ND	---	ND	---
DIBP	---	ND	ND	ND	ND	---	ND	---
Conclusion	PASS							

Test Item(s)	A81	A82	A83	A84	A85	A86	A87	A88
Cd	BL	BL	BL	BL	ND	BL	BL	BL
Pb	BL	136	BL	BL	BL	BL	BL	BL
Hg	BL							
Cr(VI)▼	BL							
PBB	BL	---	BL	BL	ND	BL	---	---
PBDE	BL	---	BL	BL	ND	BL	---	---



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 <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

Test Item(s)	A81	A82	A83	A84	A85	A86	A87	A88
DBP	ND	---	ND	ND	ND	ND	---	---
BBP	ND	---	ND	ND	ND	ND	---	---
DEHP	ND	---	ND	ND	ND	ND	---	---
DIBP	ND	---	ND	ND	ND	ND	---	---
Conclusion	PASS							

Test Item(s)	A89	A90	A91	A92	A93	A94	A95	A96
Cd	BL							
Pb	BL							
Hg	BL							
Cr(VI)▼	BL							
PBB	BL	BL	---	---	ND	BL	---	---
PBDE	BL	BL	---	---	ND	BL	---	---
DBP	ND	ND	---	---	ND	ND	---	---
BBP	ND	ND	---	---	ND	ND	---	---
DEHP	ND	ND	---	---	ND	ND	---	---
DIBP	ND	ND	---	---	ND	ND	---	---
Conclusion	PASS							

Test Item(s)	A97	A98	A99	A100	A101	A102	A103	A104
Cd	BL							
Pb	BL							
Hg	BL							
Cr(VI)▼	BL	BL	ND	BL	BL	BL	BL	BL
PBB	BL	BL	---	BL	ND	BL	BL	BL
PBDE	BL	BL	---	BL	ND	BL	BL	BL
DBP	ND	ND	---	ND	ND	ND	ND	ND
BBP	ND	ND	---	ND	ND	ND	ND	ND
DEHP	ND	ND	---	ND	ND	ND	ND	ND
DIBP	ND	ND	---	ND	ND	ND	ND	ND
Conclusion	PASS							

Test Item(s)	A105	A106	A107	A108	A109	A110	A111	A112
Cd	BL							
Pb	BL							
Hg	BL							
Cr(VI)▼	BL							
PBB	BL	BL	BL	BL	BL	---	BL	BL
PBDE	BL	BL	BL	BL	BL	---	BL	BL
DBP	---	ND	ND	ND	180	---	ND	ND
BBP	---	ND	ND	ND	ND	---	ND	ND
DEHP	---	ND	ND	ND	107	---	ND	ND
DIBP	---	ND	ND	ND	ND	---	ND	ND
Conclusion	PASS							



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

Test Item(s)	A113	A114	A115	A116	A117	A118	A119	A120
Cd	BL							
Pb	BL	BL	BL	BL	BL	OL▲	OL▲	BL
Hg	BL							
Cr(VI)▼	BL	BL	BL	ND	BL	BL	BL	BL
PBB	BL	ND	---	---	BL	BL	BL	BL
PBDE	BL	ND	---	---	BL	BL	BL	BL
DBP	ND	ND	---	---	ND	ND	ND	ND
BBP	ND	ND	---	---	ND	ND	ND	ND
DEHP	ND	ND	---	---	ND	ND	ND	ND
DIBP	ND	ND	---	---	ND	ND	ND	ND
Conclusion	PASS							

Test Item(s)	A121	A122	A123	A124	A125	A126	A127	A128
Cd	BL	BL	BL	BL	ND	BL	BL	BL
Pb	BL							
Hg	BL							
Cr(VI)▼	BL	ND	BL	BL	ND	BL	BL	BL
PBB	ND	BL	ND	BL	BL	---	---	---
PBDE	ND	BL	ND	BL	BL	---	---	---
DBP	ND	ND	ND	ND	---	---	---	---
BBP	ND	ND	ND	ND	---	---	---	---
DEHP	ND	ND	ND	ND	---	---	---	---
DIBP	ND	ND	ND	ND	---	---	---	---
Conclusion	PASS							

Test Item(s)	A129	A130	A131	A132	A133	A134	A135	A136
Cd	BL							
Pb	BL	BL	BL	BL	ND	BL	BL	BL
Hg	BL							
Cr(VI)▼	BL	BL	BL	BL	ND	BL	BL	BL
PBB	ND	---	BL	---	BL	ND	---	ND
PBDE	ND	---	BL	---	BL	ND	---	ND
DBP	ND	---	ND	---	ND	ND	---	ND
BBP	ND	---	ND	---	ND	ND	---	ND
DEHP	ND	---	ND	---	ND	ND	---	ND
DIBP	ND	---	ND	---	ND	ND	---	ND
Conclusion	PASS							

Test Item(s)	A137	A138	A139	A140	A141	A142	A143	A144
Cd	BL							
Pb	BL							
Hg	BL							
Cr(VI)▼	BL							
PBB	BL	BL	BL	BL	---	BL	BL	BL
PBDE	BL	BL	BL	BL	---	BL	BL	BL
DBP	ND	ND	ND	ND	---	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 <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

Test Item(s)	A137	A138	A139	A140	A141	A142	A143	A144
BBP	ND	ND	ND	ND	---	ND	ND	ND
DEHP	ND	ND	ND	ND	---	ND	ND	ND
DIBP	ND	ND	ND	ND	---	ND	ND	ND
Conclusion	PASS							

Test Item(s)	A145	A146	A147	A148	A149	A150	A151	A152
Cd	BL							
Pb	BL							
Hg	BL							
Cr(VI)▼	BL							
PBB	---	ND	BL	BL	BL	BL	BL	---
PBDE	---	ND	BL	BL	BL	BL	BL	---
DBP	---	ND	ND	ND	ND	ND	ND	---
BBP	---	ND	ND	ND	ND	ND	ND	---
DEHP	---	ND	ND	ND	ND	ND	ND	---
DIBP	---	ND	ND	ND	ND	ND	ND	---
Conclusion	PASS							

Test Item(s)	A153	A154	A155	A156	A157	A158	A159	A160
Cd	BL							
Pb	BL							
Hg	BL							
Cr(VI)▼	BL	BL	BL	ND	ND	BL	ND	ND
PBB	BL	BL	ND	---	---	BL	---	---
PBDE	BL	BL	ND	---	---	BL	---	---
DBP	ND	ND	ND	---	---	ND	---	---
BBP	ND	ND	ND	---	---	ND	---	---
DEHP	ND	ND	ND	---	---	ND	---	---
DIBP	ND	ND	ND	---	---	ND	---	---
Conclusion	PASS							

Test Item(s)	A161	A162	A163	A164	A165	A166	A167	A168
Cd	BL							
Pb	BL	BL	BL	BL	OL▲	BL	OL▲	BL
Hg	BL							
Cr(VI)▼	ND	ND	ND	BL	BL	BL	BL	BL
PBB	---	---	---	BL	ND	BL	BL	BL
PBDE	---	---	---	BL	ND	BL	BL	BL
DBP	---	---	---	ND	ND	ND	ND	ND
BBP	---	---	---	ND	ND	ND	ND	ND
DEHP	---	---	---	ND	ND	ND	ND	ND
DIBP	---	---	---	ND	ND	ND	ND	ND
Conclusion	PASS							



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN\\_Doccheck@sgs.com](mailto:CN_Doccheck@sgs.com)

Test Item(s)	A169	A170	A171	A172	A173	A174	A175	A176
Cd	BL	BL	BL	BL	BL	ND	BL	BL
Pb	BL	BL	BL	OL▲	BL	BL	BL	BL
Hg	BL							
Cr(VI)▼	BL							
PBB	BL	BL	BL	BL	BL	ND	BL	---
PBDE	BL	BL	BL	BL	BL	ND	BL	---
DBP	ND	---						
BBP	ND	---						
DEHP	ND	---						
DIBP	ND	---						
Conclusion	PASS							

Test Item(s)	A177	A178	A179	A180	A181	A182	A183	A184
Cd	BL							
Pb	BL							
Hg	BL							
Cr(VI)▼	BL							
PBB	---	BL	BL	BL	---	---	BL	BL
PBDE	---	BL	BL	BL	---	---	BL	BL
DBP	---	ND	ND	ND	---	---	ND	ND
BBP	---	ND	ND	ND	---	---	ND	ND
DEHP	---	ND	ND	ND	---	---	ND	ND
DIBP	---	ND	ND	ND	---	---	ND	ND
Conclusion	PASS							

Test Item(s)	A185	A186	A187	A188	A189	A190	A191	A192
Cd	BL							
Pb	BL	BL	18	BL	BL	BL	BL	BL
Hg	BL							
Cr(VI)▼	BL	BL	BL	BL	BL	BL	ND	ND
PBB	BL	BL	---	---	ND	---	BL	---
PBDE	BL	BL	---	---	ND	---	BL	---
DBP	ND	ND	---	---	ND	---	---	---
BBP	ND	ND	---	---	ND	---	---	---
DEHP	ND	ND	---	---	ND	---	---	---
DIBP	ND	ND	---	---	ND	---	---	---
Conclusion	PASS							

Test Item(s)	A193	A194	A195	A196	A197	A198
Cd	ND	BL	BL	BL	BL	BL
Pb	BL	BL	BL	BL	BL	BL
Hg	BL	BL	BL	BL	BL	BL
Cr(VI)▼	BL	BL	BL	ND	ND	BL
PBB	ND	BL	ND	BL	---	---
PBDE	ND	BL	ND	BL	---	---
DBP	ND	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 <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN\\_Doccheck@sgs.com](mailto:CN_Doccheck@sgs.com)

Test Item(s)	A193	A194	A195	A196	A197	A198
BBP	ND	ND	ND	ND	---	---
DEHP	ND	ND	ND	ND	---	---
DIBP	ND	ND	ND	ND	---	---
Conclusion	PASS	PASS	PASS	PASS	PASS	PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN\\_Doccheck@sgs.com](mailto:CN_Doccheck@sgs.com)

SGS-CSTC Standards Technical Services Co., Ltd.  
Guangzhou Branch Technical Laboratory

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663  
中国·广东·广州高新技术产业开发区科学城科珠路198号 邮编: 510663

t (86-20) 82155555 www.sgs.com.cn  
t (86-20) 82155555 sgs.china@sgs.com

**Notes:**

- (1) Interpretation of screening results by X-ray fluorescence spectrometry (XRF):  
 (a) Screening limits in mg/kg for regulated elements in various matrices according to IEC 62321-1:2013 Annex A as below table.

Element	Polymer	Metal	Composite Materials
Cd	$BL \leq (70-3\sigma) < X < (130+3\sigma) \leq OL$	$BL \leq (70-3\sigma) < X < (130+3\sigma) \leq OL$	$LOD < X < (150+3\sigma) \leq OL$
Pb	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (500-3\sigma) < X < (1500+3\sigma) \leq OL$
Hg	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (500-3\sigma) < X < (1500+3\sigma) \leq OL$
Br	$BL \leq (300-3\sigma) < X$	Not applicable	$BL \leq (250-3\sigma) < X$
Cr	$BL \leq (700-3\sigma) < X$	$BL \leq (700-3\sigma) < X$	$BL \leq (500-3\sigma) < X$

- (b) If the maximum allowed level restricts PBB/PBDE and Cr(VI) rather than Br and Cr, the exceptions are the XRF determinations of Br and Cr. If the quantitative results for the elements Br and/or Cr are higher than the limit (for Br calculated based on the stoichiometry of Br in the most common congeners of PBB/PBDE), the sample is "inconclusive".
- (c) Results are obtained by EDXRF for primary screening, LOD = Limit of Detection, BL = Below Limit, OL= Over Limit, IN (The symbol X marks the region)=Inconclusive, where further investigation is necessary, and further chemical testing by ICP-OES (for Cd, Pb, Hg), UV-Vis (for Cr(VI)) and GC-MS (for PBB/PBDE) are recommended to be performed.
- (d) The EDXRF screening test for RoHS elements – The reading may be different to the actual content in the sample be of non-uniformity composition.
- (2) Screening results of Phthalates (PHTH) are for primary screening, and further chemical testing by GC-MS (for DBP, BBP, DEHP and DIBP) are recommended to be performed if the concentration exceeds the below warning value (unit: mg/kg).

Test Items	CAS No.	Polymer/ Composite Materials
Dibutyl phthalate (DBP)	84-74-2	$BL \leq 600 < X$
Butyl benzyl phthalate (BBP)	85-68-7	$BL \leq 600 < X$
Bis(2-ethylhexyl) phthalate (DEHP)	117-81-7	$BL \leq 600 < X$
Diisobutyl phthalate (DIBP)	84-69-5	$BL \leq 600 < X$

- (3) Interpretation of results by chemical tests:  
 (a) mg/kg = 0.0001%, MDL=Method detection Limit, ND = Not Detected (<MDL), --- = Not Applicable.  
 (b) Unit and MDL in wet chemical test

Test Items	Pb	Cd	Hg	DBP	BBP	DEHP	DIBP
Unit	mg/kg						
MDL	10	10	10	100	100	100	100

The MDL for single compound of PBB and PBDE is 100 mg/kg,  
 MDL of Cr(VI) for polymer, composite and leather sample is 10 mg/kg.  
 MDL of Cr(VI) for metal sample is 0.10 µg/cm<sup>2</sup>.

- (c) ▼ =Metal sample
- 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).
  - 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
  - The result between 0.10 µg/cm<sup>2</sup> and 0.13 µg/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) Restricted substances and maximum concentration values tolerated by weight in homogeneous materials under RoHS Directive: Cd: 0.01%, Pb/Hg/Cr(VI)/PBB/PBDE/DEHP/DBP/BBP/DIBP: 0.1%. The limit is quoted from RoHS Directive (EU) 2015/863.
- (5) IEC 62321 series is equivalent to EN 62321 series.

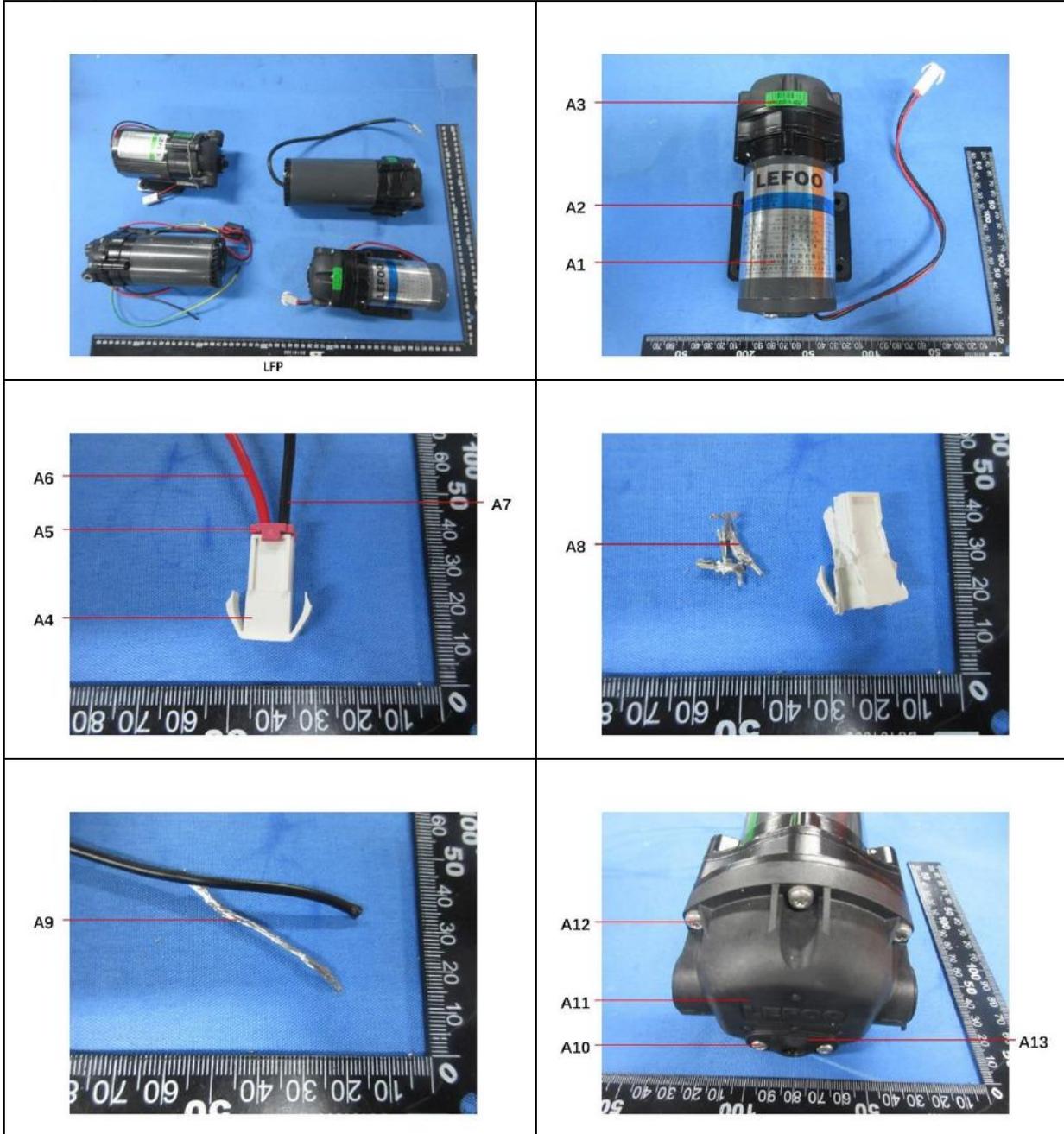
(6)▲ = According to the declaration from the client,  
 Lead (Pb) in No.A118 is exempted by EU RoHS directive 2011/65/EU based on [ANNEX III 7(c)-II]: Lead in dielectric ceramic in capacitors for a rated voltage of 125 V AC or 250 V DC or higher.  
 Lead (Pb) in No.A119, No.A165, No.A167, No.A172 are 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.  
 More information about exemption can be found via the following link:  
<https://rohs.sgsonline.com.cn/PDFLinks/en/RSTS-TP-037%20RoHS%20Exemption%20%28EN%29.pdf>

The location of performance of the laboratory activities: A. No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong; B. Room 101, Building 3, No.1501, Kaichuang Avenue, Huangpu District, Guangzhou, Guangdong  
 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 <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.  
**Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com**

Sample photos:



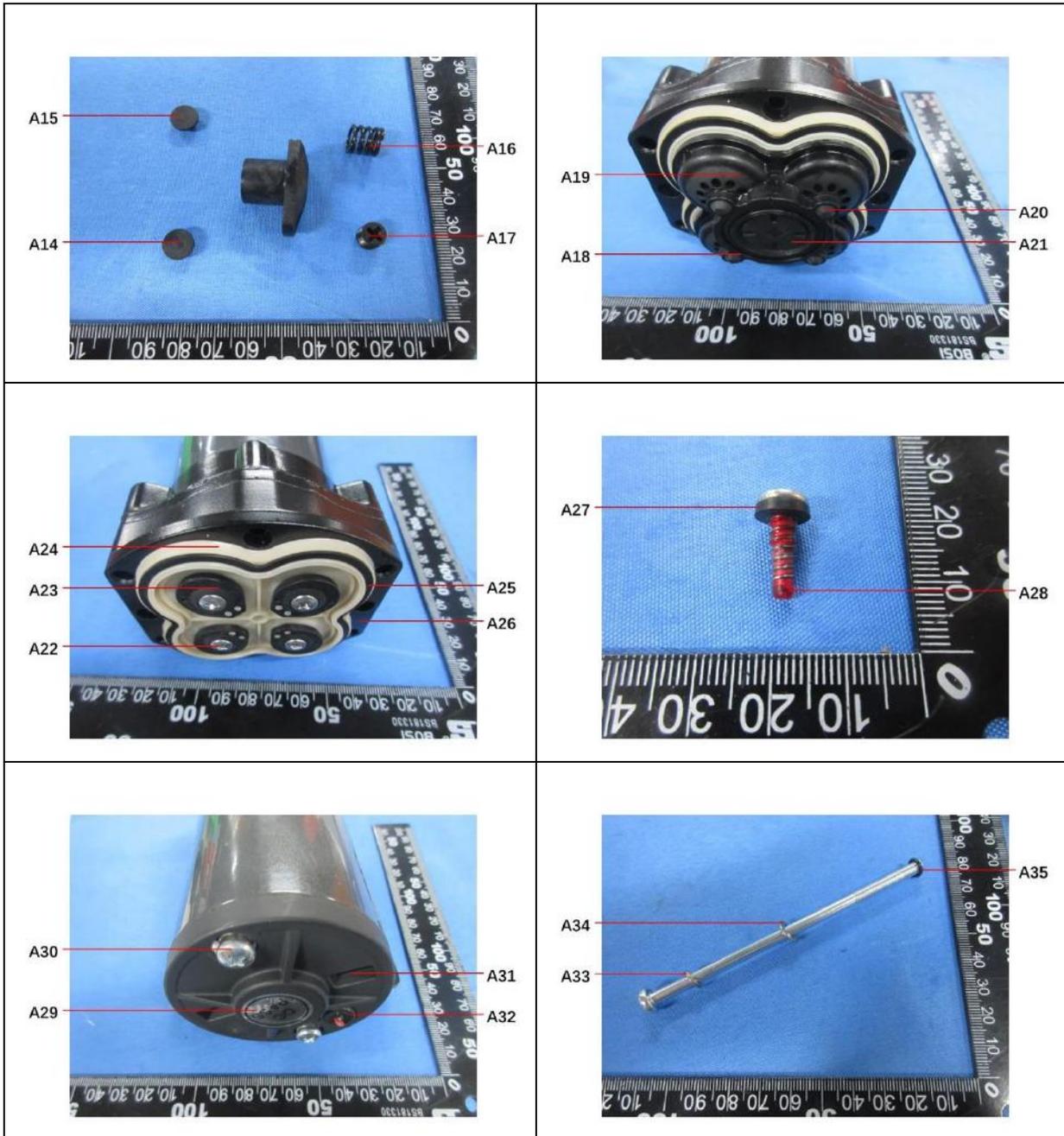
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

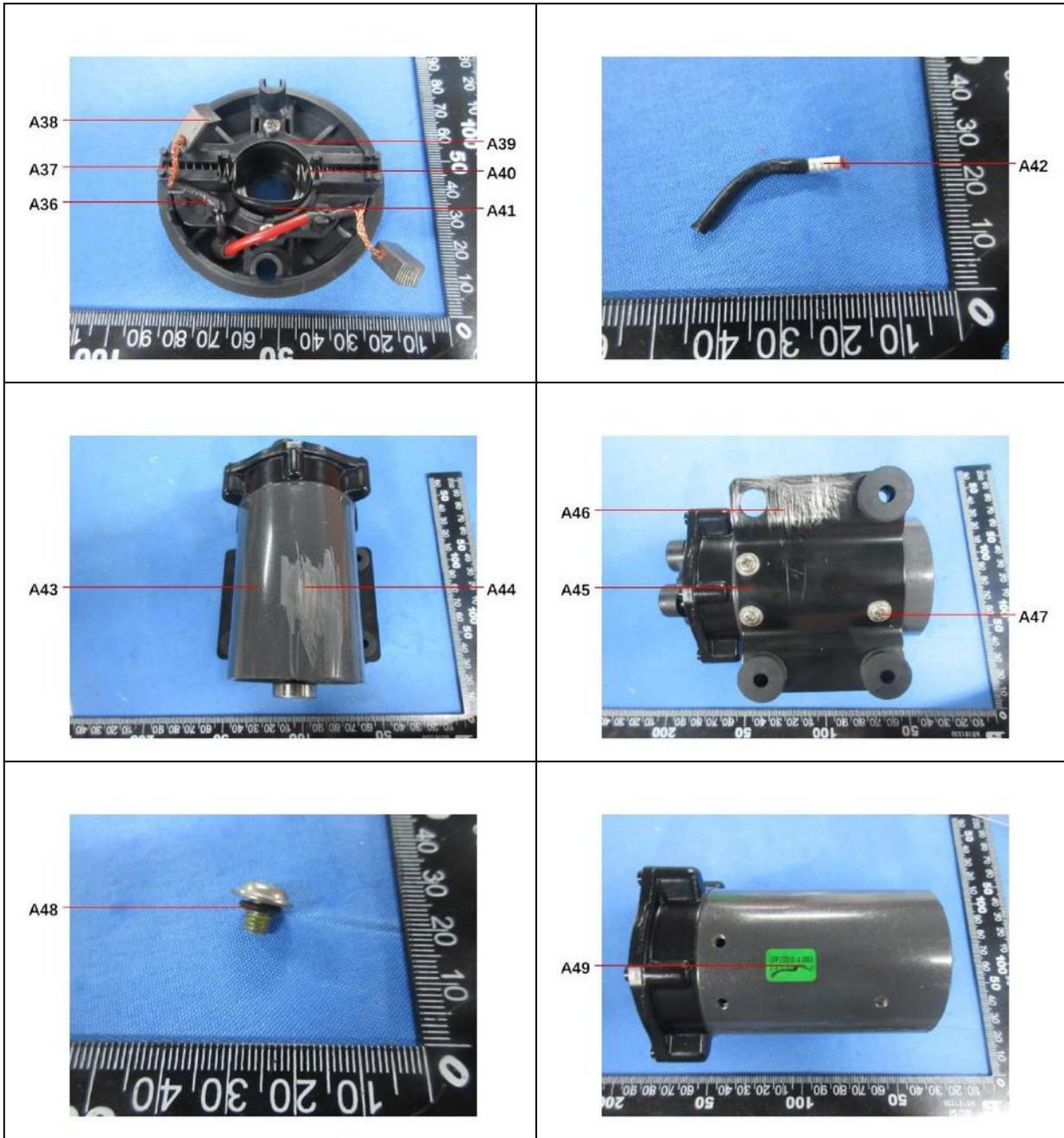
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

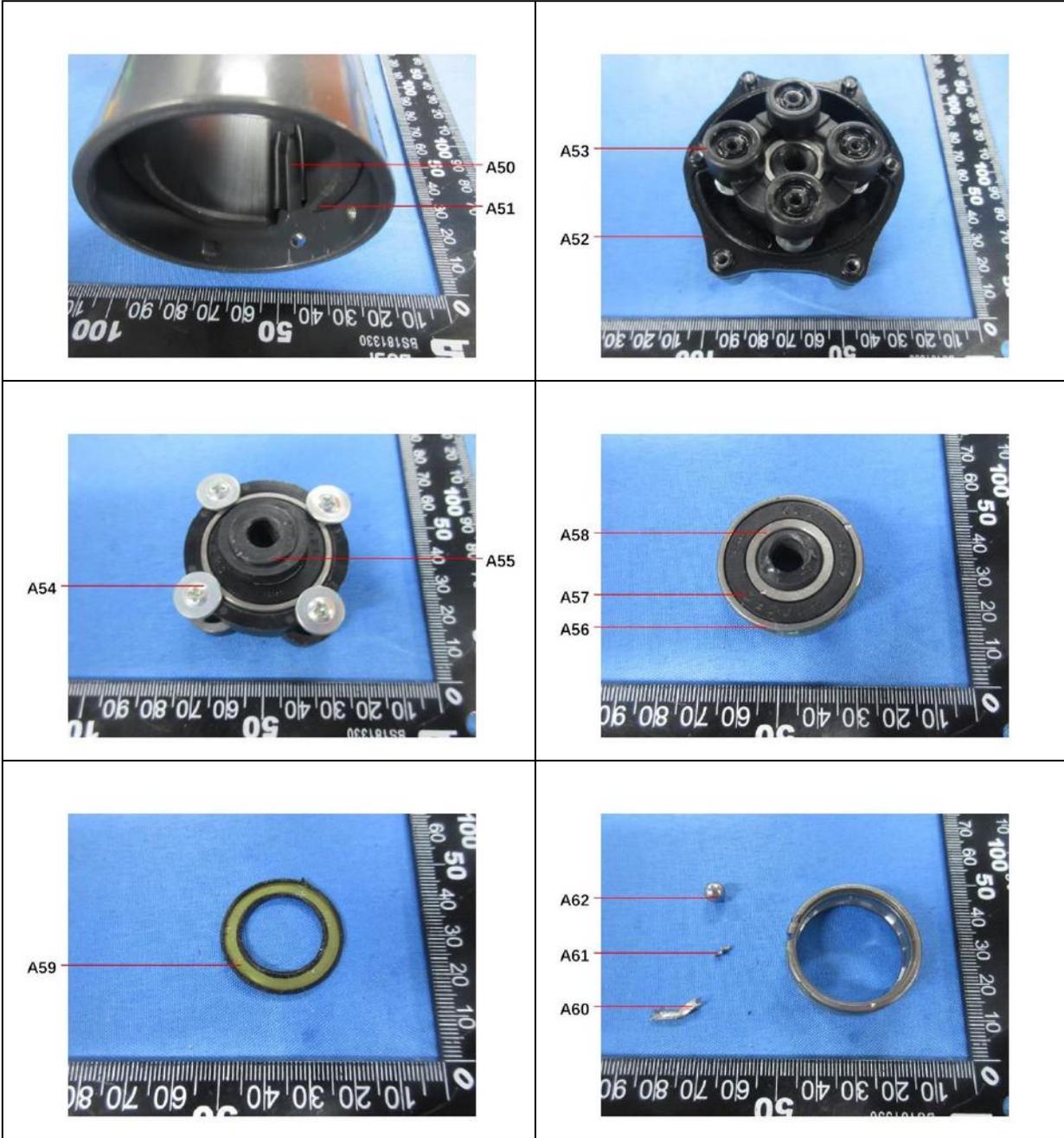
SGS-CST (Guangzhou Branch) Technical Services Co., Ltd.  
Guangzhou Branch Technical Services Co., Ltd. Technical Laboratory

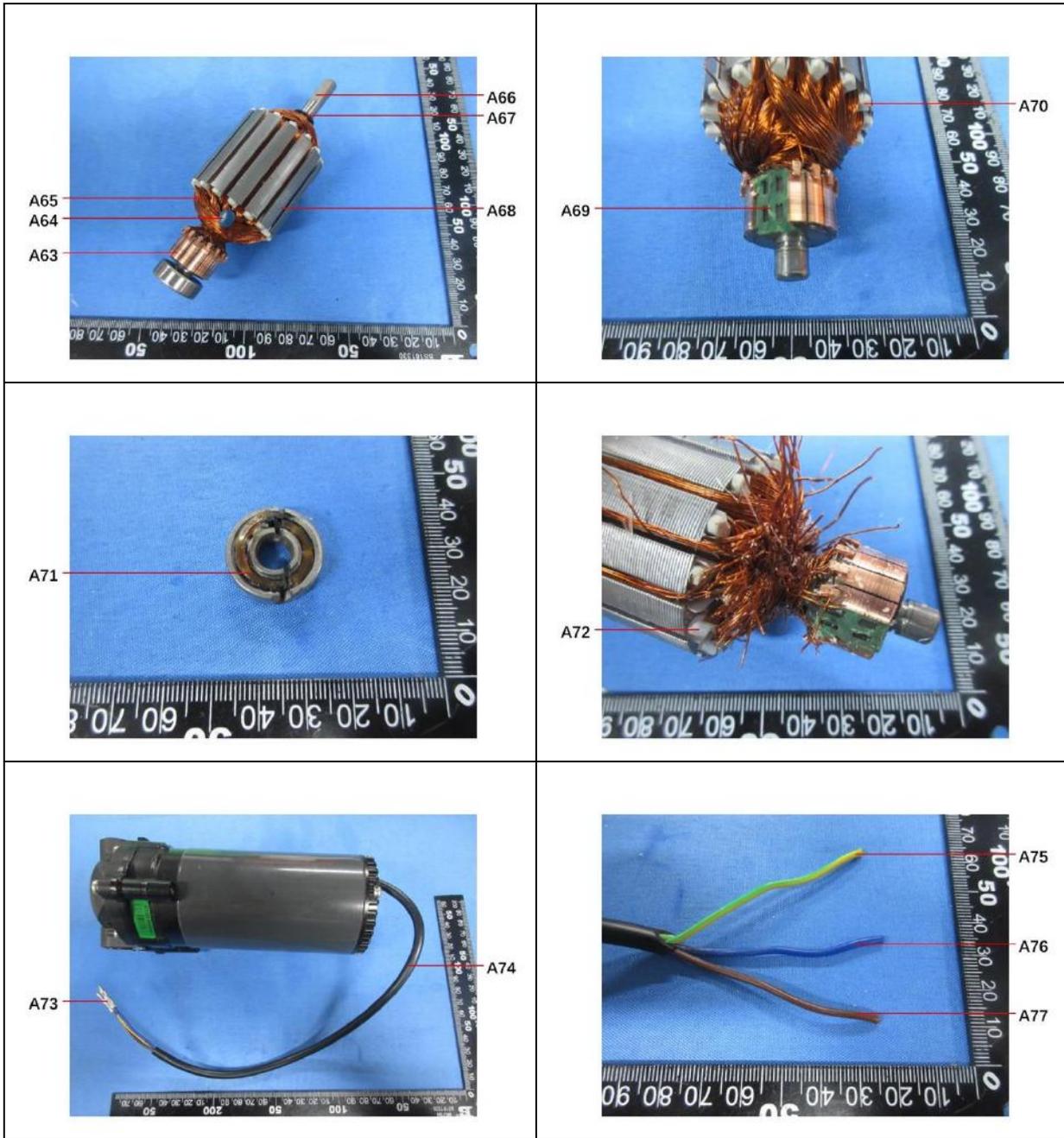
No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663  
中国·广东·广州高新技术产业开发区科学城科珠路198号 邮编: 510663

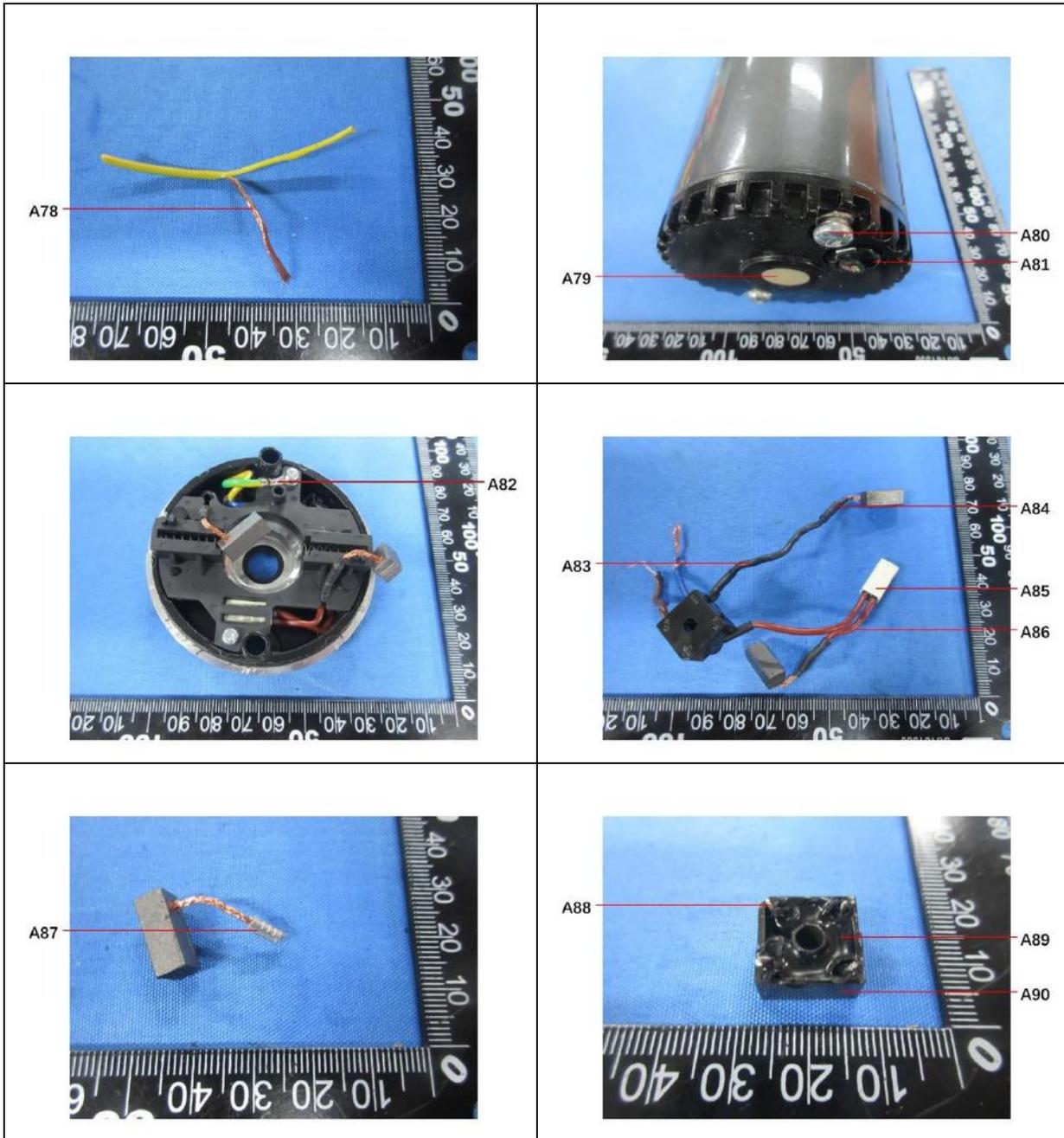
t (86-20) 82155555 www.sgsgroup.com.cn  
t (86-20) 82155555 sgs.china@sgs.com











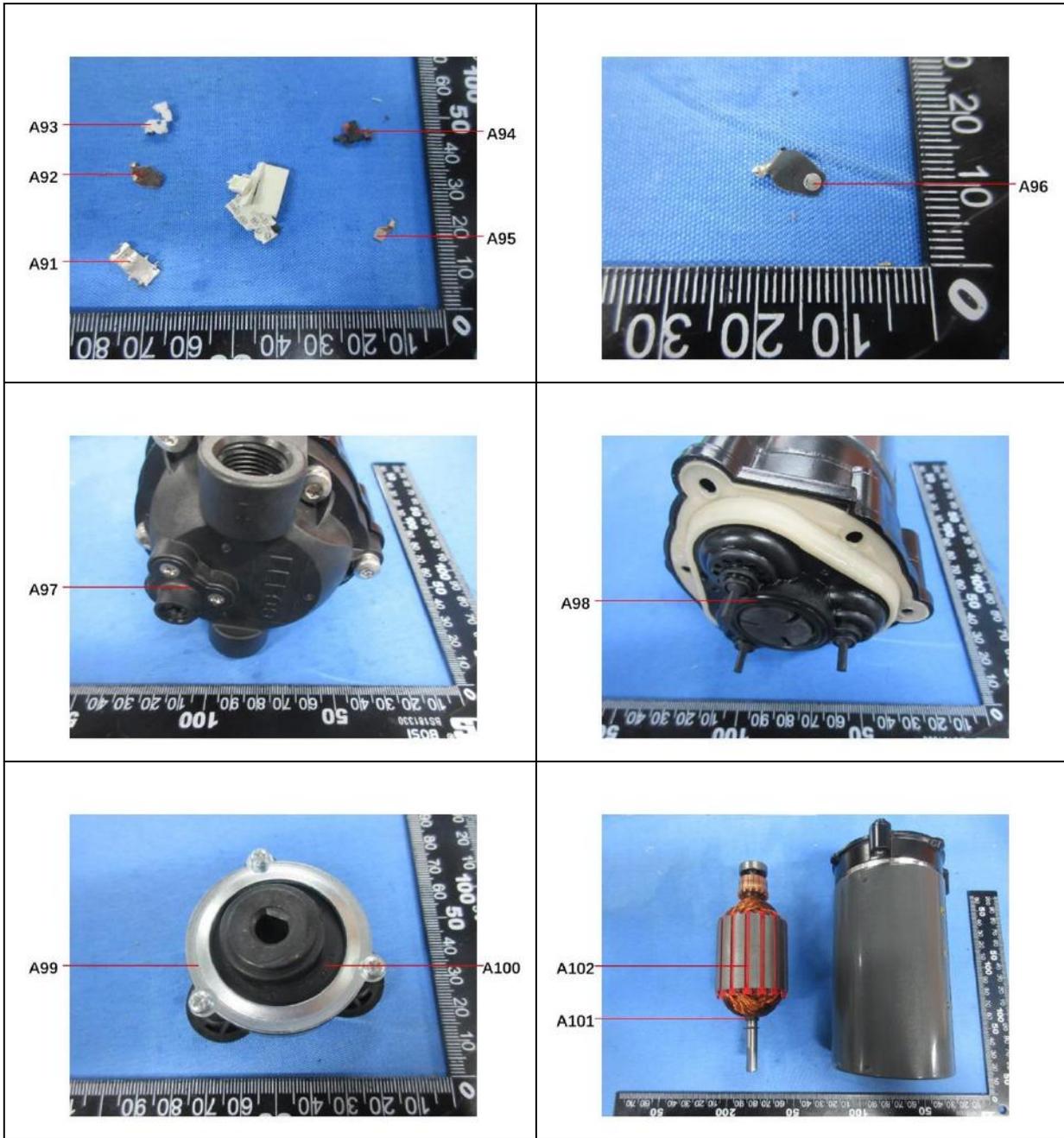
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN\\_Doccheck@sgs.com](mailto:CN_Doccheck@sgs.com)

SGS-CSTC Standards Technical Services Co., Ltd.  
Guangzhou Branch Technical Laboratory

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663  
中国·广东·广州高新技术产业开发区科学城科珠路198号 邮编: 510663

t (86-20) 82155555 www.sgsgroup.com.cn  
t (86-20) 82155555 sgs.china@sgs.com



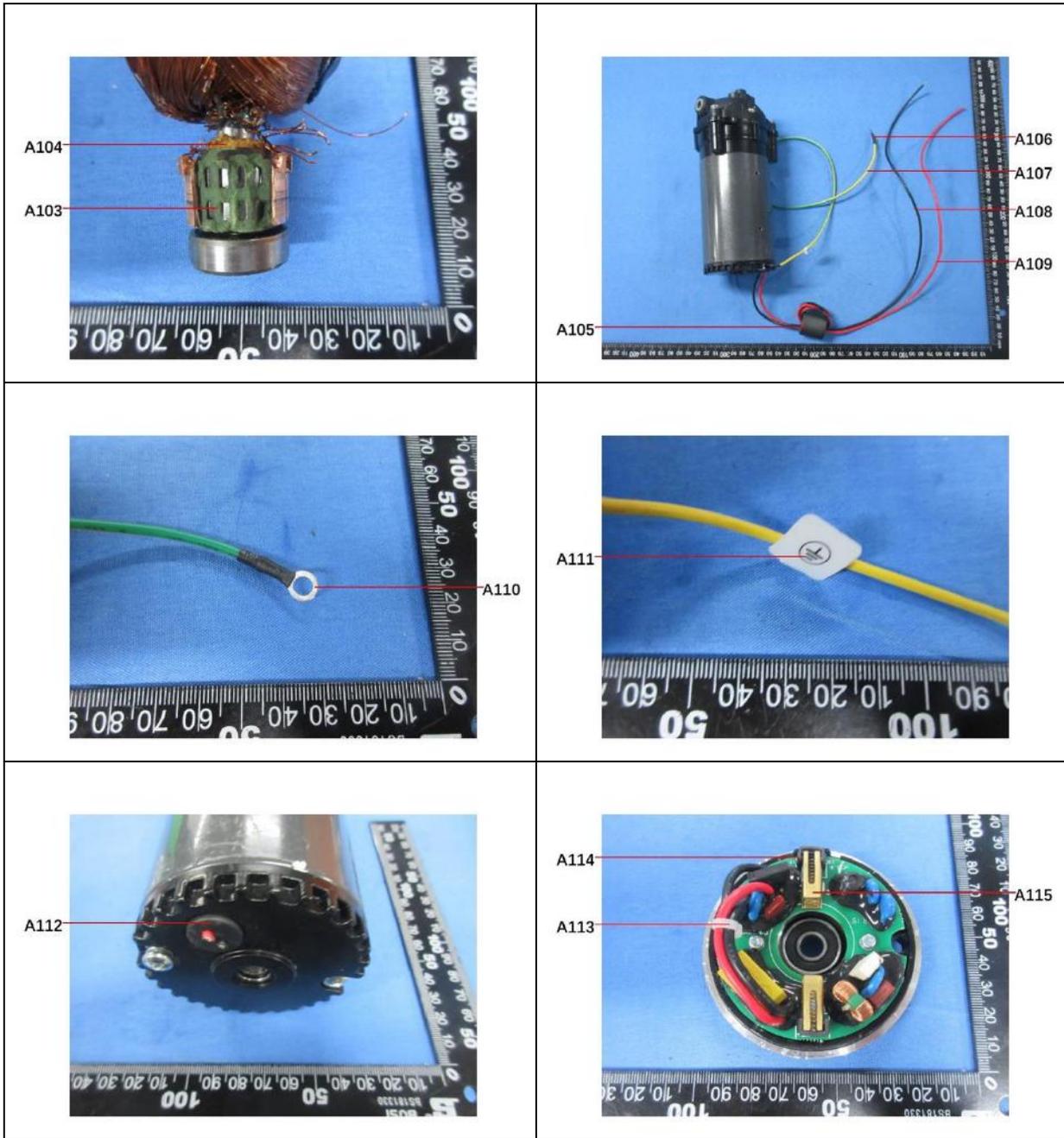
SGS-CST Standards Technical Services Co., Ltd.  
Guangzhou Branch Technical Services Co., Ltd. Technical Laboratory

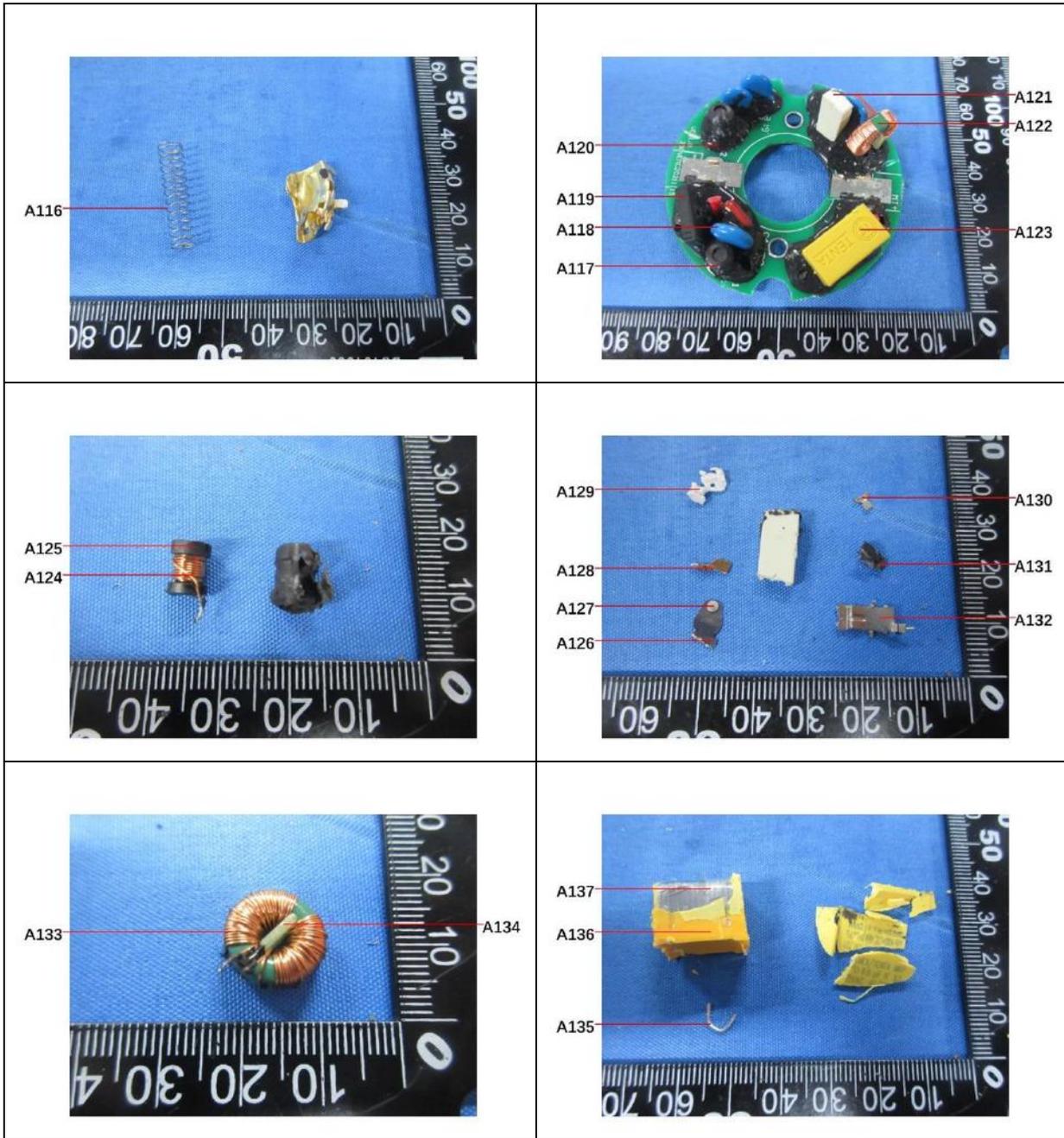
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

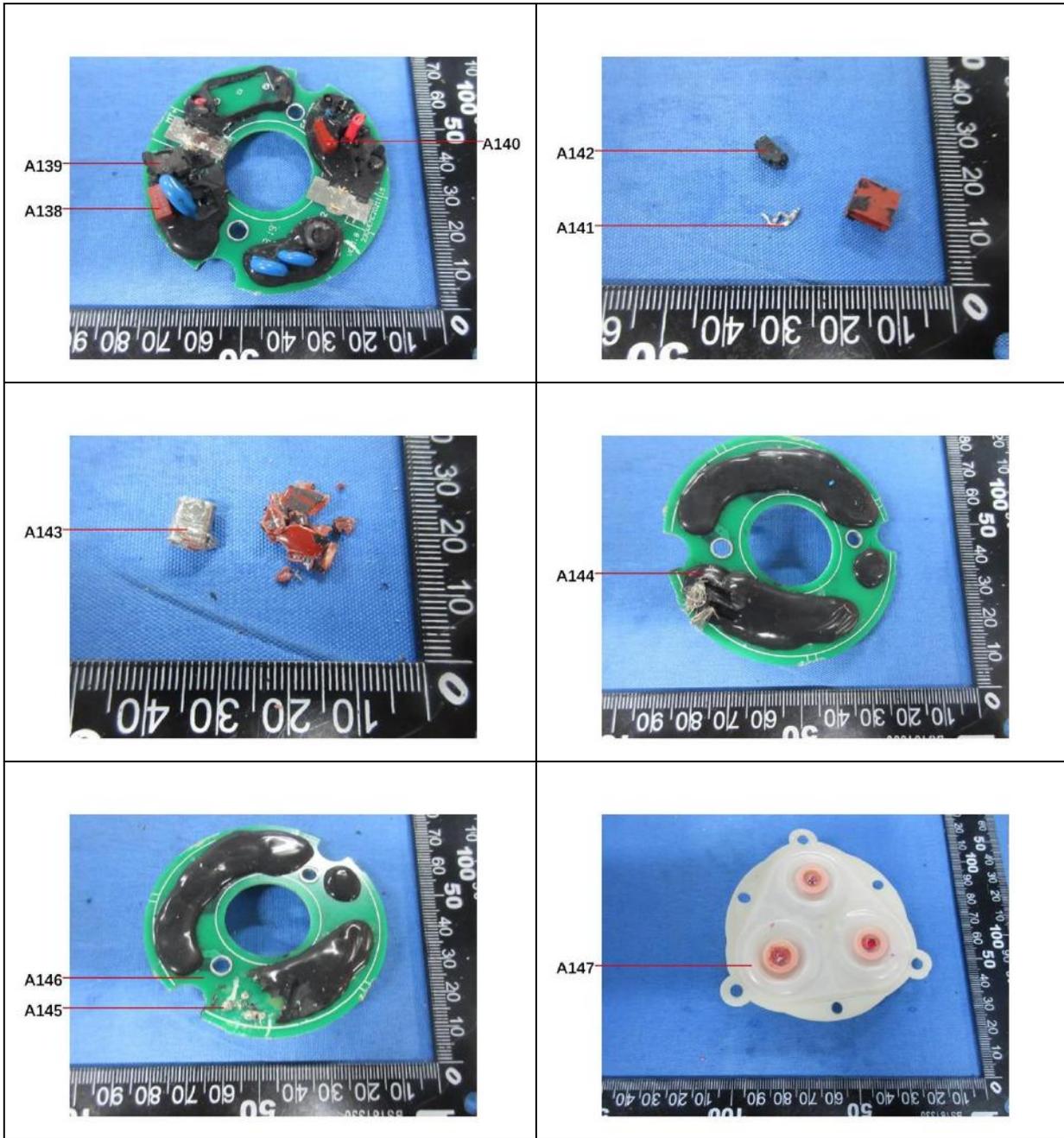
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN\\_Doccheck@sgs.com](mailto:CN_Doccheck@sgs.com)

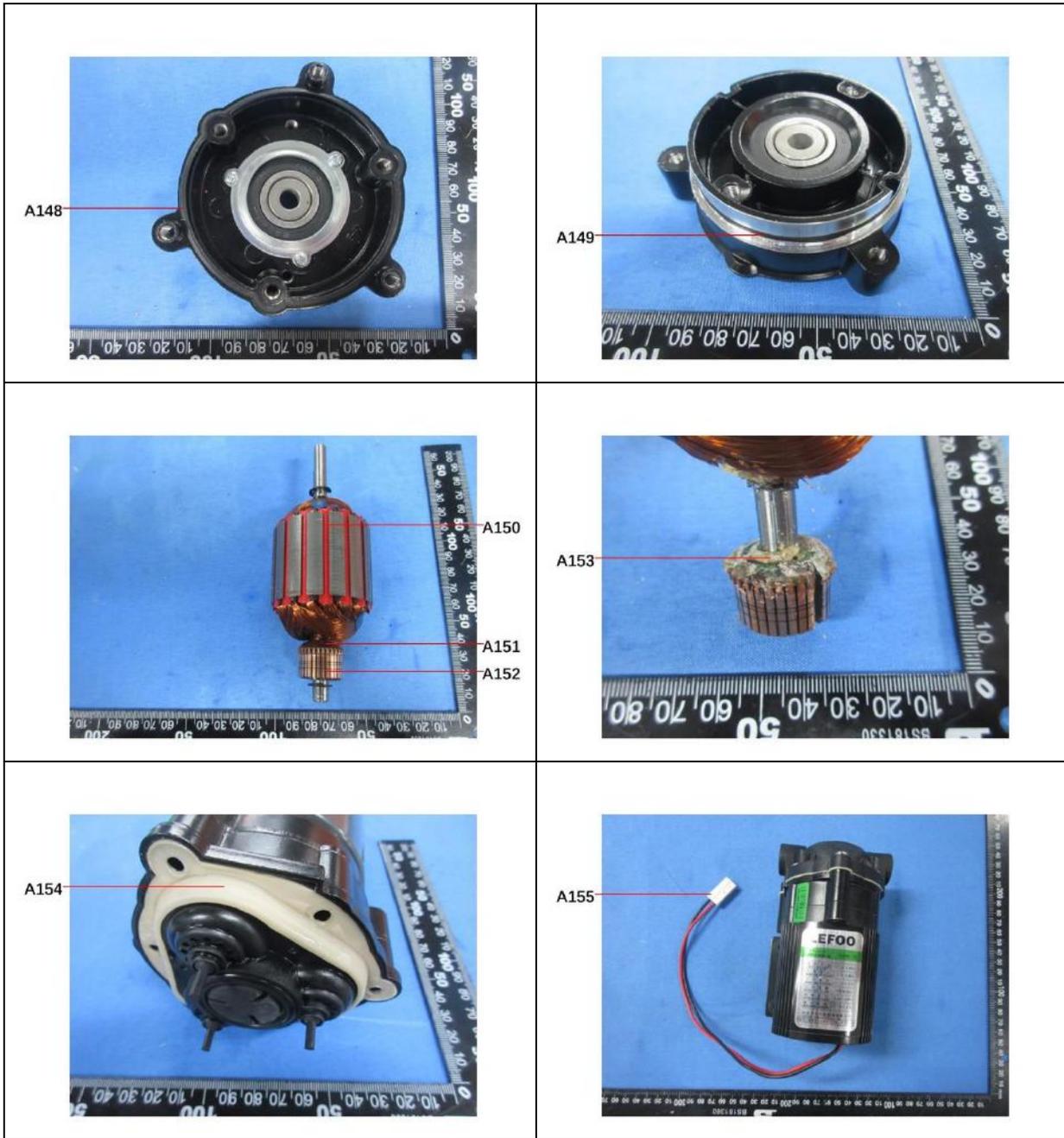
No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663  
中国·广东·广州高新技术产业开发区科学城科珠路198号 邮编: 510663

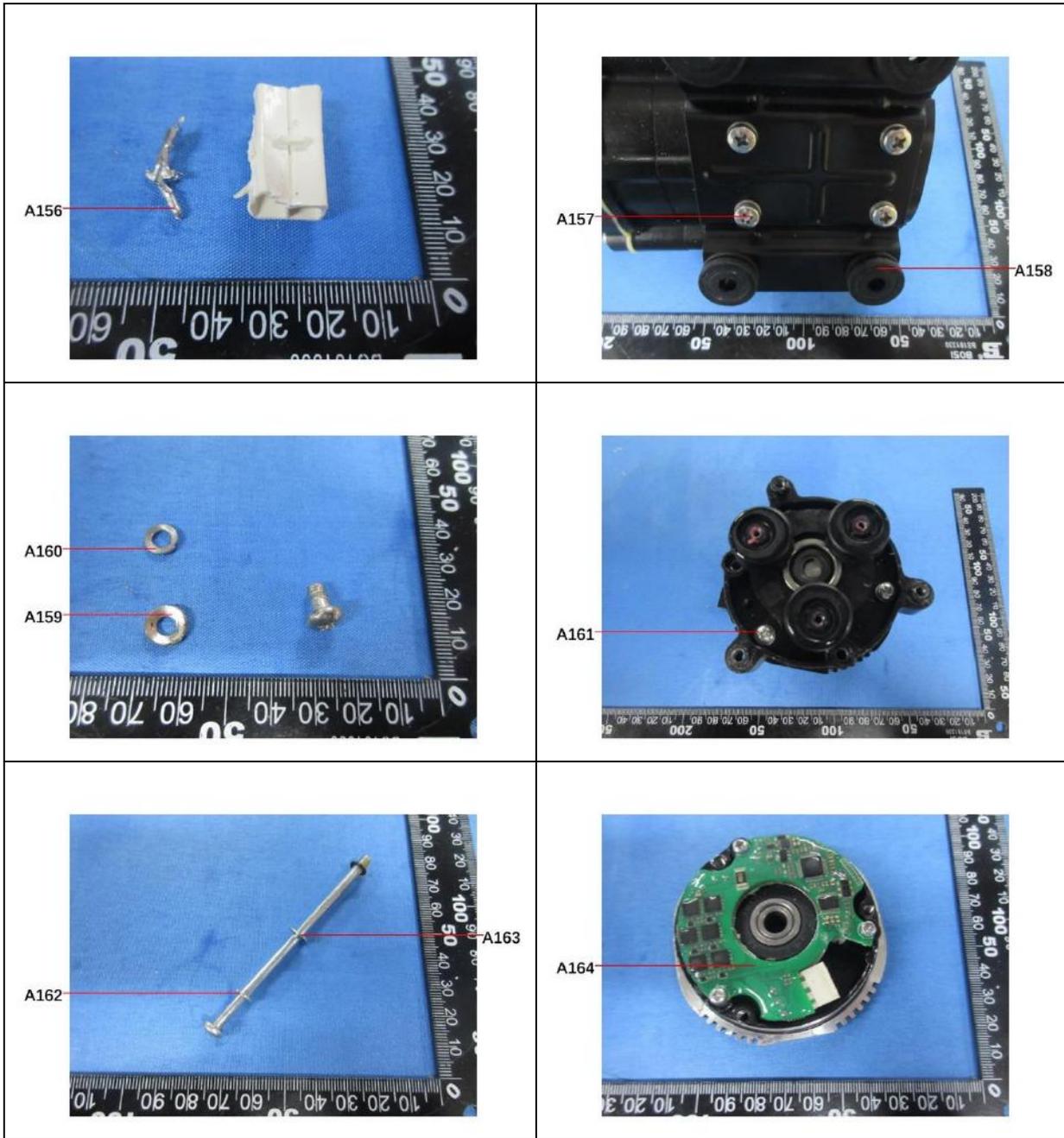
t (86-20) 82155555 www.sgsgroup.com.cn  
t (86-20) 82155555 sgs.china@sgs.com

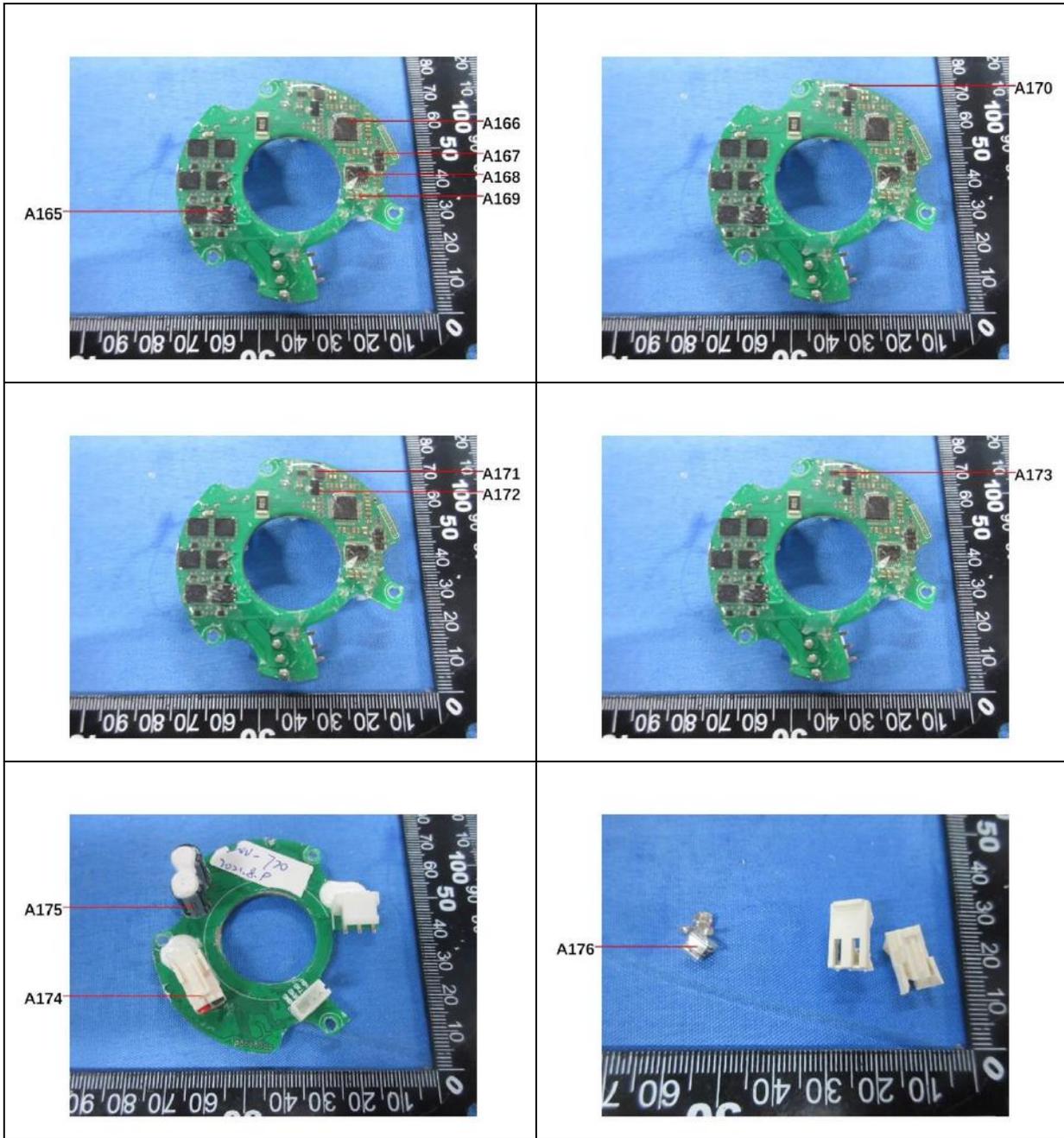


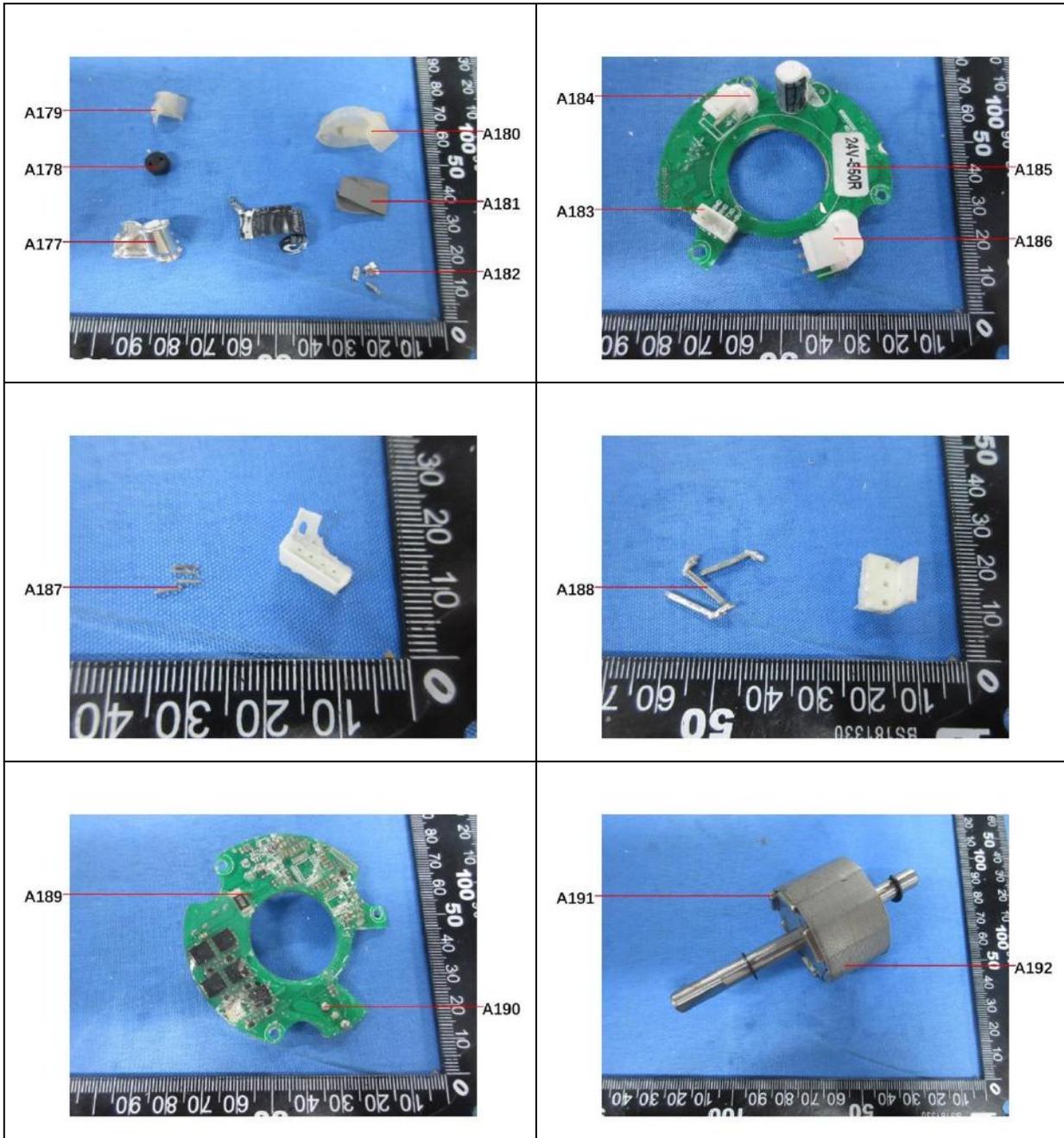


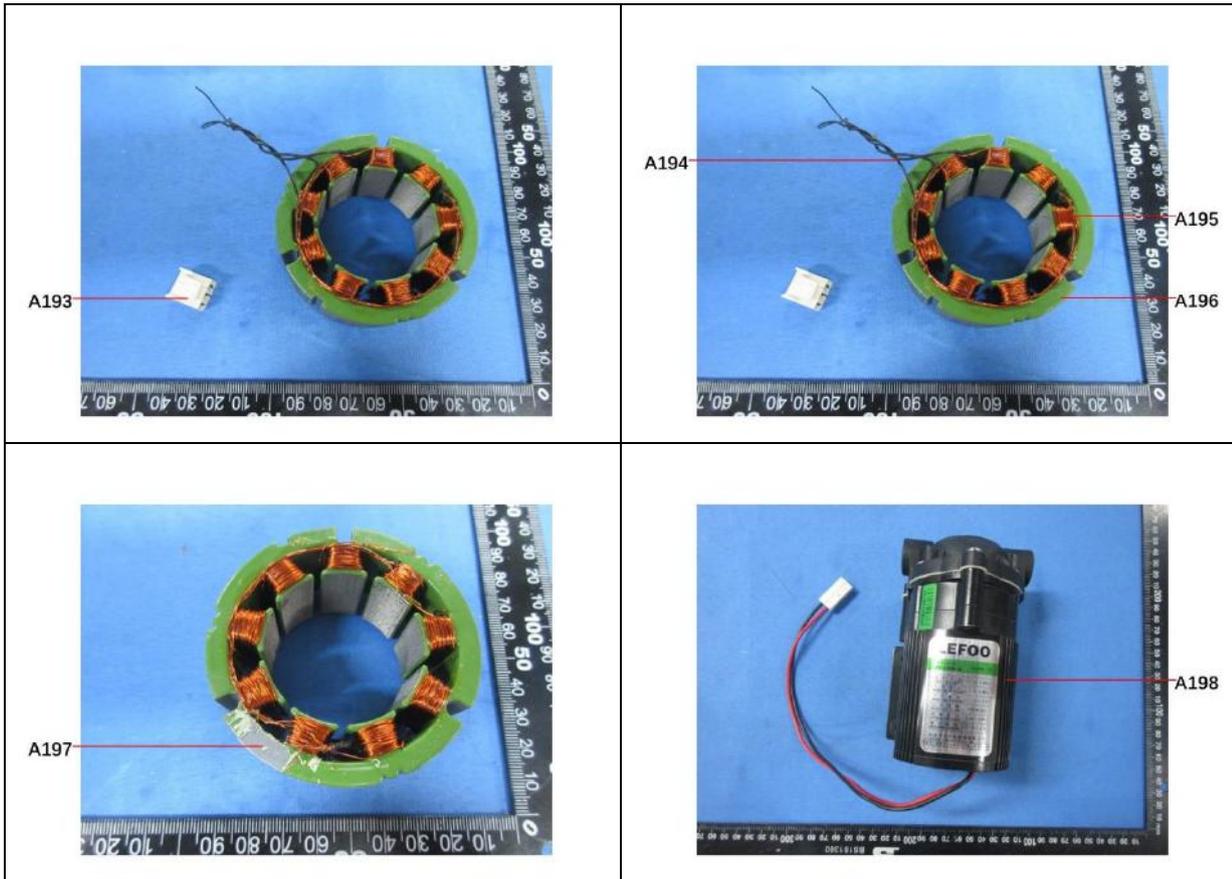












SGS authenticates the photo on original report only  
 \*\*\* End of Report \*\*\*



SGS-CSTechnical Services Co., Ltd.  
 Guangzhou Branch Technical Laboratory

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 <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.  
 Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN\\_Doccheck@sgs.com](mailto:CN_Doccheck@sgs.com)

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663  
 中国·广东·广州高新技术产业开发区科学城科珠路198号 邮编: 510663

t (86-20) 82155555 www.sgs.com.cn  
 t (86-20) 82155555 sgs.china@sgs.com