



## Verification Report

No. CANEC2218551601

Date: 11 Oct 2022

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Client Name : SUNGROW POWER SUPPLY CO., LTD

Client Address : NO.1699 XIYOU RD.,HIGH-TECH INDUSTRY DEVELOPMENT ZONE,230088,HEFEI,P.R.CHINA

Sample Name : 11 kW EV Charger

Tested Basic Model No. AC011E-01

(P.O.No) :

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

SGS Job No. : CP22-048113 - SZ

Date of Sample Received : 30 Aug 2022

Verification Period : 30 Aug 2022 - 11 Oct 2022

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 (PBBs), Polybrominated diphenyl ethers (PBDEs), 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

*Tyler Zhang*

Tyler Zhang  
Approved Signatory

scan to see the report



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### 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, ISO 17075-1:2017, IEC 62321-6:2015 and IEC62321-8:2017, analyzed by ICP-OES, UV-Vis and GC-MS.

### Verification Part Description :

SN ID	Sample No	SGS Sample ID	Description
SN1	A1	CAN22-185516.001	Black rubber part
SN2	A2	CAN22-185516.002	Silvery metal screw
SN3	A3	CAN22-185516.003	Black surfaced metal screw
SN4	A4	CAN22-185516.004	Silvery metal screw
SN5	A5	CAN22-185516.005	Silvery metal part
SN6	A6	CAN22-185516.006	Black plastic ring
SN7	A7	CAN22-185516.007	Black rubber part



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SN ID	Sample No	SGS Sample ID	Description
SN8	A8	CAN22-185516.008	Black plastic shell with brown printing
SN9	A9	CAN22-185516.009	Black rubber ring
SN10	A10	CAN22-185516.010	Brown rubber ring
SN11	A11	CAN22-185516.011	Black plastic part with white printing
SN12	A12	CAN22-185516.012	Silvery metal ring
SN13	A13	CAN22-185516.013	Silvery metal shell
SN14	A14	CAN22-185516.014	Black rubber ring
SN15	A15	CAN22-185516.015	Black plastic part
SN16	A16	CAN22-185516.016	Blue plastic (wire insulation)
SN17	A17	CAN22-185516.017	Black plastic (heat shrinkable tube)
SN18	A18	CAN22-185516.018	Black plastic (wire insulation)
SN19	A19	CAN22-185516.019	Silvery metal part
SN20	A20	CAN22-185516.020	Golden metal part
SN21	A21	CAN22-185516.021	Blue body with multicolor printing
SN22	A22	CAN22-185516.022	Silvery metal ring
SN23	A23	CAN22-185516.023	Silvery metal shell
SN24	A24	CAN22-185516.024	Black rubber ring
SN25	A25	CAN22-185516.025	Silvery metal part
SN26	A26	CAN22-185516.026	Black plastic (cable jacket)
SN27	A27	CAN22-185516.027	White plastic part
SN28	A28	CAN22-185516.028	Brown plastic (wire insulation)
SN29	A29	CAN22-185516.029	Dark grey plastic (wire insulation)
SN30	A30	CAN22-185516.030	Yellow/green plastic (wire insulation)
SN31	A31	CAN22-185516.031	Grey plastic (wire insulation)
SN32	A32	CAN22-185516.032	Blue plastic (wire insulation)
SN33	A33	CAN22-185516.033	Pink plastic (wire insulation)
SN34	A34	CAN22-185516.034	Silvery metal screw
SN35	A35	CAN22-185516.035	Dark grey plastic cover
SN36	A36	CAN22-185516.036	Black rubber ring
SN37	A37	CAN22-185516.037	Silvery metal (spring washer)



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SN ID	Sample No	SGS Sample ID	Description
SN38	A38	CAN22-185516.038	Silvery metal washer
SN39	A39	CAN22-185516.039	Black rubber ring
SN40	A40	CAN22-185516.040	Silvery surfaced plastic shell with black printing
SN41	A41	CAN22-185516.041	Silvery metal screw
SN42	A42	CAN22-185516.042	Light blue surfaced metal (spring washer)
SN43	A43	CAN22-185516.043	Light blue surfaced metal washer
SN44	A44	CAN22-185516.044	Golden metal part
SN45	A45	CAN22-185516.045	Beige plastic housing
SN46	A46	CAN22-185516.046	White body (LED)
SN47	A47	CAN22-185516.047	Silvery metal part
SN48	A48	CAN22-185516.048	Silvery metal pin
SN49	A49	CAN22-185516.049	White adhesive plastic sheet with black printing
SN50	A50	CAN22-185516.050	Green "PCB"
SN51	A51	CAN22-185516.051	Silvery metal solder
SN52	A52	CAN22-185516.052	Black body
SN53	A53	CAN22-185516.053	Silvery body
SN54	A54	CAN22-185516.054	Black body
SN55	A55	CAN22-185516.055	Green "PCB"
SN56	A56	CAN22-185516.056	Silvery metal solder
SN57	A57	CAN22-185516.057	Black plastic part
SN58	A58	CAN22-185516.058	Black plastic nut
SN59	A59	CAN22-185516.059	Black plastic ring
SN60	A60	CAN22-185516.060	Black rubber tube
SN61	A61	CAN22-185516.061	Black plastic part
SN62	A62	CAN22-185516.062	Black plastic part
SN63	A63	CAN22-185516.063	Silvery metal sheet
SN64	A64	CAN22-185516.064	Silvery metal screw
SN65	A65	CAN22-185516.065	Black rubber sheet
SN66	A66	CAN22-185516.066	Black plastic nut





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SN ID	Sample No	SGS Sample ID	Description
SN67	A67	CAN22-185516.067	Grey rubber sheet
SN68	A68	CAN22-185516.068	Black plastic rivet
SN69	A69	CAN22-185516.069	Multicolor surfaced metal (spring washer)
SN70	A70	CAN22-185516.070	Multicolor surfaced metal washer
SN71	A71	CAN22-185516.071	Black rubber ring
SN72	A72	CAN22-185516.072	Green "PCB"
SN73	A73	CAN22-185516.073	Silvery metal solder
SN74	A74	CAN22-185516.074	Black plastic part
SN75	A75	CAN22-185516.075	Black block (envelopment)
SN76	A76	CAN22-185516.076	Black plastic sheet
SN77	A77	CAN22-185516.077	Silvery metal part
SN78	A78	CAN22-185516.078	Golden metal pin
SN79	A79	CAN22-185516.079	Black plastic part
SN80	A80	CAN22-185516.080	Red plastic (wire insulation)
SN81	A81	CAN22-185516.081	Black plastic (wire insulation)
SN82	A82	CAN22-185516.082	Black plastic (heat shrinkable tube) with white printing
SN83	A83	CAN22-185516.083	Green plastic socket
SN84	A84	CAN22-185516.084	Green plastic part
SN85	A85	CAN22-185516.085	Silvery metal screw
SN86	A86	CAN22-185516.086	Silvery metal part
SN87	A87	CAN22-185516.087	Silvery metal part
SN88	A88	CAN22-185516.088	Silvery metal terminal
SN89	A89	CAN22-185516.089	Yellow plastic part
SN90	A90	CAN22-185516.090	White plastic tube with black printing
SN91	A91	CAN22-185516.091	White plastic socket
SN92	A92	CAN22-185516.092	Silvery metal terminal
SN93	A93	CAN22-185516.093	Red plastic (wire insulation)
SN94	A94	CAN22-185516.094	Black plastic (heat shrinkable tube) with white printing
SN95	A95	CAN22-185516.095	Red plastic (wire insulation)



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SN ID	Sample No	SGS Sample ID	Description
SN96	A96	CAN22-185516.096	Black plastic (wire insulation)
SN97	A97	CAN22-185516.097	Blue plastic (wire insulation)
SN98	A98	CAN22-185516.098	Yellow plastic (wire insulation)
SN99	A99	CAN22-185516.099	Black plastic shell with white printing
SN100	A100	CAN22-185516.100	Black block (envelopment)
SN101	A101	CAN22-185516.101	White plastic part
SN102	A102	CAN22-185516.102	Yellow adhesive plastic sheet
SN103	A103	CAN22-185516.103	Silvery material part
SN104	A104	CAN22-185516.104	Silvery adhesive plastic sheet with black printing
SN105	A105	CAN22-185516.105	White adhesive plastic sheet with black printing
SN106	A106	CAN22-185516.106	Orange plastic cover
SN107	A107	CAN22-185516.107	Light grey plastic cover
SN108	A108	CAN22-185516.108	Black rubber ring
SN109	A109	CAN22-185516.109	Light grey plastic nut
SN110	A110	CAN22-185516.110	Black rubber ring
SN111	A111	CAN22-185516.111	White plastic part
SN112	A112	CAN22-185516.112	Grey plastic (wire insulation)
SN113	A113	CAN22-185516.113	White plastic (wire insulation)
SN114	A114	CAN22-185516.114	Yellow plastic (wire insulation)
SN115	A115	CAN22-185516.115	Black plastic (wire insulation)
SN116	A116	CAN22-185516.116	Blue plastic (wire insulation)
SN117	A117	CAN22-185516.117	Red plastic (wire insulation)
SN118	A118	CAN22-185516.118	Brown plastic (wire insulation)
SN119	A119	CAN22-185516.119	Black plastic socket
SN120	A120	CAN22-185516.120	Golden metal terminal
SN121	A121	CAN22-185516.121	Grey plastic part
SN122	A122	CAN22-185516.122	Yellow plastic part
SN123	A123	CAN22-185516.123	Black plastic (wire insulation) with white printing



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SN ID	Sample No	SGS Sample ID	Description
SN124	A124	CAN22-185516.124	Silvery metal terminal
SN125	A125	CAN22-185516.125	Blue plastic (wire insulation) with white printing
SN126	A126	CAN22-185516.126	Grey plastic (wire insulation) with black printing
SN127	A127	CAN22-185516.127	Brown plastic (wire insulation) with white printing
SN128	A128	CAN22-185516.128	Yellow/green plastic (wire insulation)
SN129	A129	CAN22-185516.129	Light blue surfaced metal screw
SN130	A130	CAN22-185516.130	Light blue surfaced metal (spring washer)
SN131	A131	CAN22-185516.131	Light blue surfaced metal washer
SN132	A132	CAN22-185516.132	Silvery metal screw
SN133	A133	CAN22-185516.133	Light blue surfaced metal nut
SN134	A134	CAN22-185516.134	Black plastic part
SN135	A135	CAN22-185516.135	Silvery metal sheet
SN136	A136	CAN22-185516.136	Black rubber ring
SN137	A137	CAN22-185516.137	Black rubber ring
SN138	A138	CAN22-185516.138	Dark grey plastic shell
SN139	A139	CAN22-185516.139	Light blue surfaced metal part
SN140	A140	CAN22-185516.140	Silvery metal sheet
SN141	A141	CAN22-185516.141	Black plastic shell with white printing
SN142	A142	CAN22-185516.142	Black rubber cover
SN143	A143	CAN22-185516.143	Translucent adhesive plastic sheet
SN144	A144	CAN22-185516.144	Black body
SN145	A145	CAN22-185516.145	Black body
SN146	A146	CAN22-185516.146	White plastic housing
SN147	A147	CAN22-185516.147	Blue body
SN148	A148	CAN22-185516.148	White glue
SN149	A149	CAN22-185516.149	Yellow adhesive plastic sheet
SN150	A150	CAN22-185516.150	Black plastic part
SN151	A151	CAN22-185516.151	Black body





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SN ID	Sample No	SGS Sample ID	Description
SN152	A152	CAN22-185516.152	Yellow surfaced metal wire
SN153	A153	CAN22-185516.153	Green body
SN154	A154	CAN22-185516.154	Black plastic part
SN155	A155	CAN22-185516.155	Silvery metal sheet
SN156	A156	CAN22-185516.156	Yellow body
SN157	A157	CAN22-185516.157	Blue body
SN158	A158	CAN22-185516.158	Grey plastic shell with black printing
SN159	A159	CAN22-185516.159	White block (envelopment)
SN160	A160	CAN22-185516.160	Green plastic shell
SN161	A161	CAN22-185516.161	Black plastic shell with beige printing
SN162	A162	CAN22-185516.162	Silvery metal screw
SN163	A163	CAN22-185516.163	Silvery metal part
SN164	A164	CAN22-185516.164	Silvery metal sheet
SN165	A165	CAN22-185516.165	Green coating
SN166	A166	CAN22-185516.166	Silvery metal wire
SN167	A167	CAN22-185516.167	Black block (envelopment)
SN168	A168	CAN22-185516.168	Silvery material part
SN169	A169	CAN22-185516.169	Blue body
SN170	A170	CAN22-185516.170	Blue body
SN171	A171	CAN22-185516.171	White adhesive plastic sheet with black printing
SN172	A172	CAN22-185516.172	White plastic housing
SN173	A173	CAN22-185516.173	Silvery metal pin
SN174	A174	CAN22-185516.174	Grey plastic shell with black printing
SN175	A175	CAN22-185516.175	Beige plastic part
SN176	A176	CAN22-185516.176	Copper-colored metal sheet
SN177	A177	CAN22-185516.177	Silvery metal part
SN178	A178	CAN22-185516.178	Beige plastic part
SN179	A179	CAN22-185516.179	Silvery metal pin
SN180	A180	CAN22-185516.180	Silvery metal sheet



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SN ID	Sample No	SGS Sample ID	Description
SN181	A181	CAN22-185516.181	Copper-colored metal sheet
SN182	A182	CAN22-185516.182	Light grey plastic part
SN183	A183	CAN22-185516.183	Light blue surfaced metal rivet
SN184	A184	CAN22-185516.184	Silvery metal sheet
SN185	A185	CAN22-185516.185	Green plastic housing
SN186	A186	CAN22-185516.186	Blue plastic shell with grey printing
SN187	A187	CAN22-185516.187	Black body
SN188	A188	CAN22-185516.188	Silvery metal shell
SN189	A189	CAN22-185516.189	Copper-colored metal sheet
SN190	A190	CAN22-185516.190	Silvery metal pin
SN191	A191	CAN22-185516.191	Silvery metal sheet
SN192	A192	CAN22-185516.192	Copper-colored metal sheet
SN193	A193	CAN22-185516.193	Copper-colored metal sheet
SN194	A194	CAN22-185516.194	Silvery metal sheet
SN195	A195	CAN22-185516.195	Dark grey plastic part
SN196	A196	CAN22-185516.196	Silvery metal rivet
SN197	A197	CAN22-185516.197	Black plastic part
SN198	A198	CAN22-185516.198	Black plastic part
SN199	A199	CAN22-185516.199	Brown body (chip capacitor)
SN200	A200	CAN22-185516.200	Black body
SN201	A201	CAN22-185516.201	Black body
SN202	A202	CAN22-185516.202	Black body
SN203	A203	CAN22-185516.203	Black "PCB"
SN204	A204	CAN22-185516.204	Black plastic part
SN205	A205	CAN22-185516.205	Silvery metal pin
SN206	A206	CAN22-185516.206	Black plastic part
SN207	A207	CAN22-185516.207	Silvery metal sheet
SN208	A208	CAN22-185516.208	Black plastic part
SN209	A209	CAN22-185516.209	Black body
SN210	A210	CAN22-185516.210	Black body



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SN ID	Sample No	SGS Sample ID	Description
SN211	A211	CAN22-185516.211	Black body
SN212	A212	CAN22-185516.212	Black body
SN213	A213	CAN22-185516.213	Blue plastic shell with white printing
SN214	A214	CAN22-185516.214	Silvery metal shell
SN215	A215	CAN22-185516.215	Black body
SN216	A216	CAN22-185516.216	Black body
SN217	A217	CAN22-185516.217	Black body
SN218	A218	CAN22-185516.218	Black body
SN219	A219	CAN22-185516.219	Dark grey plastic part
SN220	A220	CAN22-185516.220	Silvery metal spring
SN221	A221	CAN22-185516.221	Silvery/golden metal pin
SN222	A222	CAN22-185516.222	Dark grey plastic part
SN223	A223	CAN22-185516.223	Brown body (chip capacitor)
SN224	A224	CAN22-185516.224	Brown body (chip capacitor)
SN225	A225	CAN22-185516.225	Green "PCB"
SN226	A226	CAN22-185516.226	Silvery metal solder
SN227	A227	CAN22-185516.227	Golden metal part
SN228	A228	CAN22-185516.228	Golden metal part
SN229	A229	CAN22-185516.229	Golden metal part
SN230	A230	CAN22-185516.230	Silvery surfaced plastic shell
SN231	A231	CAN22-185516.231	Dark grey plastic part
SN232	A232	CAN22-185516.232	Dark grey plastic shell
SN233	A233	CAN22-185516.233	Black adhesive rubber sheet
SN234	A234	CAN22-185516.234	White plastic part
SN235	A235	CAN22-185516.235	Black plastic nut
SN236	A236	CAN22-185516.236	Black plastic part
SN237	A237	CAN22-185516.237	Black plastic part
SN238	A238	CAN22-185516.238	Grey rubber ring
SN239	A239	CAN22-185516.239	Beige rubber part
SN240	A240	CAN22-185516.240	Black plastic part



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SN ID	Sample No	SGS Sample ID	Description
SN241	A241	CAN22-185516.241	Silvery metal rod
SN242	A242	CAN22-185516.242	Silvery metal screw
SN243	A243	CAN22-185516.243	Silvery metal screw
SN244	A244	CAN22-185516.244	Blue plastic part
SN245	A245	CAN22-185516.245	Silvery metal part
SN246	A246	CAN22-185516.246	Silvery metal screw
SN247	A247	CAN22-185516.247	Silvery metal washer
SN248	A248	CAN22-185516.248	Silvery metal (spring washer)
SN249	A249	CAN22-185516.249	Silvery metal frame
SN250	A250	CAN22-185516.250	Transparent plastic part
SN251	A251	CAN22-185516.251	Silvery metal sheet
SN252	A252	CAN22-185516.252	Dark grey coating
SN253	A253	CAN22-185516.253	Silvery metal part (base)
SN254	A254	CAN22-185516.254	Dark grey surfaced metal ring
SN255	A255	CAN22-185516.255	Silvery metal part (base)
SN256	A256	CAN22-185516.256	Dark grey plastic sheet with yellow printing
SN257	A257	CAN22-185516.257	Black adhesive plastic sheet with white printing



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### Verification Results :

In accordance with the result of material risk assessment, the following disjointed parts in the submitted sample have been verified. (Unless otherwise specified, the unit is mg/kg).

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

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

Test Item(s)	A17	A18	A19	A20	A21	A22	A23	A24
Pb	BL	BL	BL	BL	BL	BL	BL	BL
Cd	BL	BL	BL	BL	BL	BL	BL	BL
Hg	BL	BL	BL	BL	BL	BL	BL	BL
Cr(VI)▼	BL	BL	BL	BL	<100*	ND	BL	BL
PBBs	BL	ND	---	---	BL	---	---	BL





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Test Item(s)	A17	A18	A19	A20	A21	A22	A23	A24
PBDEs	BL	ND	---	---	BL	---	---	BL
DBP	ND	ND	---	---	BL	---	---	ND
BBP	ND	ND	---	---	BL	---	---	ND
DEHP	ND	ND	---	---	BL	---	---	ND
DIBP	ND	ND	---	---	BL	---	---	ND
Conclusion	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS

Test Item(s)	A25	A26	A27	A28	A29	A30	A31	A32
Pb	BL	BL	BL	BL	BL	BL	BL	BL
Cd	BL	BL	BL	BL	BL	BL	BL	BL
Hg	BL	BL	BL	BL	BL	BL	BL	BL
Cr(VI)▼	BL	BL	BL	BL	BL	BL	BL	BL
PBBs	---	BL	BL	BL	BL	BL	BL	BL
PBDEs	---	BL	BL	BL	BL	BL	BL	BL
DBP	---	ND	BL	ND	ND	ND	ND	ND
BBP	---	ND	BL	ND	ND	ND	ND	ND
DEHP	---	ND	BL	ND	ND	ND	ND	ND
DIBP	---	ND	BL	ND	ND	ND	ND	ND
Conclusion	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS

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



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Test Item(s)	A41	A42	A43	A44	A45	A46	A47	A48
Pb	BL	BL	BL	<40000▲	BL	BL	BL	BL
Cd	BL	BL	BL	BL	BL	BL	BL	BL
Hg	BL	BL	BL	BL	BL	BL	BL	BL
Cr(VI)▼	ND	ND	ND	BL	BL	BL	BL	BL
PBBs	---	---	---	---	BL	BL	---	---
PBDEs	---	---	---	---	BL	BL	---	---
DBP	---	---	---	---	BL	BL	---	---
BBP	---	---	---	---	BL	BL	---	---
DEHP	---	---	---	---	BL	BL	---	---
DIBP	---	---	---	---	BL	BL	---	---
Conclusion	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS

Test Item(s)	A49	A50	A51	A52	A53	A54	A55	A56
Pb	BL	BL	BL	BL	BL	BL	BL	BL
Cd	BL	BL	BL	BL	BL	BL	BL	BL
Hg	BL	BL	BL	BL	BL	BL	BL	BL
Cr(VI)▼	BL	BL	BL	BL	<100*	BL	BL	BL
PBBs	BL	ND	---	BL	ND	BL	ND	---
PBDEs	BL	ND	---	BL	ND	BL	ND	---
DBP	ND	ND	---	BL	ND	BL	ND	---
BBP	ND	ND	---	BL	ND	BL	ND	---
DEHP	ND	ND	---	BL	ND	BL	ND	---
DIBP	ND	ND	---	BL	ND	BL	ND	---
Conclusion	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS

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



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Test Item(s)	A57	A58	A59	A60	A61	A62	A63	A64
Conclusion	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS

Test Item(s)	A65	A66	A67	A68	A69	A70	A71	A72
Pb	BL	BL	BL	BL	BL	BL	BL	BL
Cd	BL	BL	BL	BL	BL	BL	BL	BL
Hg	BL	BL	BL	BL	BL	BL	BL	BL
Cr(VI)▼	BL	BL	BL	BL	ND	ND	BL	BL
PBBs	BL	ND	BL	ND	---	---	BL	ND
PBDEs	BL	ND	BL	ND	---	---	BL	ND
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	PASS	PASS	PASS	PASS	PASS	PASS	PASS

Test Item(s)	A73	A74	A75	A76	A77	A78	A79	A80
Pb	BL	BL	BL	BL	BL	BL	BL	BL
Cd	BL	BL	BL	BL	BL	BL	BL	BL
Hg	BL	BL	BL	BL	BL	BL	BL	BL
Cr(VI)▼	BL	BL	BL	BL	BL	BL	BL	BL
PBBs	---	ND	BL	BL	---	---	ND	BL
PBDEs	---	ND	BL	BL	---	---	ND	BL
DBP	---	ND	BL	BL	---	---	ND	ND
BBP	---	ND	BL	BL	---	---	ND	ND
DEHP	---	ND	BL	BL	---	---	ND	ND
DIBP	---	ND	BL	BL	---	---	ND	ND
Conclusion	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS

Test Item(s)	A81	A82	A83	A84	A85	A86	A87	A88
Pb	BL	BL	BL	BL	BL	<40000▲	BL	BL
Cd	BL	BL	BL	BL	BL	BL	BL	BL
Hg	BL	BL	BL	BL	BL	BL	BL	BL
Cr(VI)▼	BL	BL	BL	BL	ND	BL	BL	BL
PBBs	BL	BL	ND	ND	---	---	---	---
PBDEs	BL	BL	ND	ND	---	---	---	---
DBP	ND	ND	ND	ND	---	---	---	---



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

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

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

Test Item(s)	A105	A106	A107	A108	A109	A110	A111	A112
Pb	BL	BL	BL	BL	BL	BL	BL	BL
Cd	BL	BL	BL	BL	BL	BL	BL	BL
Hg	BL	BL	BL	BL	BL	BL	BL	BL
Cr(VI)▼	BL	BL	BL	BL	BL	BL	BL	BL





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Test Item(s)	A105	A106	A107	A108	A109	A110	A111	A112
PBBs	BL	BL	BL	BL	BL	BL	BL	BL
PBDEs	BL	BL	BL	BL	BL	BL	BL	BL
DBP	ND	BL	BL	ND	BL	ND	BL	ND
BBP	ND	BL	BL	ND	BL	ND	BL	ND
DEHP	ND	BL	BL	ND	BL	ND	BL	ND
DIBP	ND	BL	BL	ND	BL	ND	BL	ND
Conclusion	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS

Test Item(s)	A113	A114	A115	A116	A117	A118	A119	A120
Pb	BL	BL	BL	BL	BL	BL	BL	BL
Cd	BL	BL	BL	BL	BL	BL	BL	BL
Hg	BL	BL	BL	BL	BL	BL	BL	BL
Cr(VI)▼	BL	BL	BL	BL	BL	BL	BL	BL
PBBs	BL	BL	BL	BL	BL	ND	ND	---
PBDEs	BL	BL	BL	BL	BL	ND	ND	---
DBP	ND	ND	298	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	PASS	PASS	PASS	PASS	PASS	PASS	PASS

Test Item(s)	A121	A122	A123	A124	A125	A126	A127	A128
Pb	BL	BL	BL	BL	BL	BL	BL	BL
Cd	BL	BL	BL	BL	BL	BL	BL	BL
Hg	BL	BL	BL	BL	BL	BL	BL	BL
Cr(VI)▼	BL	BL	BL	BL	BL	BL	BL	BL
PBBs	BL	BL	BL	---	BL	BL	BL	BL
PBDEs	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	PASS	PASS	PASS	PASS	PASS	PASS	PASS



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Test Item(s)	A129	A130	A131	A132	A133	A134	A135	A136
Pb	BL	BL	BL	BL	BL	BL	BL	BL
Cd	BL	BL	BL	BL	BL	BL	BL	BL
Hg	BL	BL	BL	BL	BL	BL	BL	BL
Cr(VI)▼	ND	ND	ND	BL	ND	BL	BL	BL
PBBs	---	---	---	---	---	ND	---	BL
PBDEs	---	---	---	---	---	ND	---	BL
DBP	---	---	---	---	---	ND	---	ND
BBP	---	---	---	---	---	ND	---	ND
DEHP	---	---	---	---	---	ND	---	ND
DIBP	---	---	---	---	---	ND	---	176
Conclusion	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS

Test Item(s)	A137	A138	A139	A140	A141	A142	A143	A144
Pb	BL	BL	BL	BL	BL	BL	BL	OL▲
Cd	BL	BL	BL	BL	BL	BL	BL	BL
Hg	BL	BL	BL	BL	BL	BL	BL	BL
Cr(VI)▼	BL	BL	BL	BL	BL	BL	BL	BL
PBBs	BL	ND	---	---	BL	BL	BL	BL
PBDEs	BL	ND	---	---	BL	BL	BL	BL
DBP	ND	ND	---	---	BL	ND	ND	BL
BBP	ND	ND	---	---	BL	ND	ND	BL
DEHP	ND	ND	---	---	BL	ND	ND	BL
DIBP	ND	254	---	---	BL	ND	ND	BL
Conclusion	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS

Test Item(s)	A145	A146	A147	A148	A149	A150	A151	A152
Pb	BL	BL	BL	BL	BL	BL	OL▲	BL
Cd	BL	BL	BL	BL	BL	BL	BL	BL
Hg	BL	BL	BL	BL	BL	BL	BL	BL
Cr(VI)▼	BL	BL	BL	BL	BL	BL	BL	BL
PBBs	BL	BL	BL	BL	BL	BL	ND	BL
PBDEs	BL	BL	BL	BL	BL	BL	ND	BL
DBP	BL	BL	BL	ND	ND	BL	ND	BL
BBP	BL	BL	BL	ND	ND	BL	ND	BL
DEHP	BL	BL	BL	ND	ND	BL	ND	BL
DIBP	BL	BL	BL	ND	ND	BL	ND	BL



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Test Item(s)	A145	A146	A147	A148	A149	A150	A151	A152
Conclusion	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS

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

Test Item(s)	A161	A162	A163	A164	A165	A166	A167	A168
Pb	BL	BL	<40000▲	BL	BL	BL	BL	BL
Cd	BL	BL	BL	BL	BL	BL	BL	BL
Hg	BL	BL	BL	BL	BL	BL	BL	BL
Cr(VI)▼	BL	BL	BL	BL	BL	BL	BL	BL
PBBs	BL	---	---	---	BL	---	BL	BL
PBDEs	BL	---	---	---	BL	---	BL	BL
DBP	BL	---	---	---	ND	---	ND	BL
BBP	BL	---	---	---	ND	---	ND	BL
DEHP	BL	---	---	---	ND	---	ND	BL
DIBP	BL	---	---	---	ND	---	ND	BL
Conclusion	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS

Test Item(s)	A169	A170	A171	A172	A173	A174	A175	A176
Pb	BL	BL	BL	BL	BL	BL	BL	BL
Cd	BL	BL	BL	BL	BL	BL	BL	BL
Hg	BL	BL	BL	BL	BL	BL	BL	BL
Cr(VI)▼	BL	BL	BL	BL	BL	BL	BL	BL
PBBs	BL	BL	BL	BL	---	ND	ND	---
PBDEs	BL	BL	BL	BL	---	ND	ND	---
DBP	BL	BL	ND	BL	---	ND	ND	---



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Test Item(s)	A169	A170	A171	A172	A173	A174	A175	A176
BBP	BL	BL	ND	BL	---	ND	ND	---
DEHP	BL	BL	ND	BL	---	ND	ND	---
DIBP	BL	BL	ND	BL	---	ND	ND	---
Conclusion	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS

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

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

Test Item(s)	A193	A194	A195	A196	A197	A198	A199	A200
Pb	BL	BL	BL	BL	BL	BL	BL	BL
Cd	BL	BL	BL	BL	BL	BL	BL	BL
Hg	BL	BL	BL	BL	BL	BL	BL	BL
Cr(VI)▼	BL	BL	BL	BL	BL	BL	BL	BL





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Test Item(s)	A193	A194	A195	A196	A197	A198	A199	A200
PBBs	---	---	BL	---	ND	ND	BL	BL
PBDEs	---	---	BL	---	ND	ND	BL	BL
DBP	---	---	BL	---	ND	ND	BL	BL
BBP	---	---	BL	---	ND	ND	BL	BL
DEHP	---	---	BL	---	ND	ND	BL	BL
DIBP	---	---	BL	---	ND	ND	BL	BL
Conclusion	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS

Test Item(s)	A201	A202	A203	A204	A205	A206	A207	A208
Pb	BL	BL	BL	BL	BL	BL	BL	BL
Cd	BL	BL	BL	BL	BL	BL	BL	BL
Hg	BL	BL	BL	BL	BL	BL	BL	BL
Cr(VI)▼	BL	BL	BL	BL	BL	BL	BL	BL
PBBs	BL	BL	BL	ND	---	ND	---	BL
PBDEs	BL	BL	BL	ND	---	ND	---	BL
DBP	BL	BL	BL	ND	---	ND	---	ND
BBP	BL	BL	BL	ND	---	ND	---	ND
DEHP	BL	BL	BL	ND	---	ND	---	ND
DIBP	BL	BL	BL	ND	---	ND	---	ND
Conclusion	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS

Test Item(s)	A209	A210	A211	A212	A213	A214	A215	A216
Pb	OL▲	BL	BL	BL	BL	BL	BL	BL
Cd	BL	BL	BL	BL	BL	BL	BL	BL
Hg	BL	BL	BL	BL	BL	BL	BL	BL
Cr(VI)▼	BL	BL	BL	BL	BL	ND	BL	BL
PBBs	BL	BL	BL	ND	BL	---	BL	BL
PBDEs	BL	BL	BL	ND	BL	---	BL	BL
DBP	BL	BL	BL	ND	BL	---	BL	BL
BBP	BL	BL	BL	ND	BL	---	BL	BL
DEHP	BL	BL	BL	ND	BL	---	BL	BL
DIBP	BL	BL	BL	ND	BL	---	BL	BL
Conclusion	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS



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Test Item(s)	A217	A218	A219	A220	A221	A222	A223	A224
Pb	OL▲	OL▲	BL	BL	BL	BL	BL	BL
Cd	BL	BL	BL	BL	BL	BL	BL	BL
Hg	BL	BL	BL	BL	BL	BL	BL	BL
Cr(VI)▼	BL	BL	BL	BL	BL	BL	BL	BL
PBBs	BL	BL	BL	---	---	BL	BL	BL
PBDEs	BL	BL	BL	---	---	BL	BL	BL
DBP	BL	BL	ND	---	---	ND	BL	BL
BBP	BL	BL	ND	---	---	ND	BL	BL
DEHP	BL	BL	ND	---	---	ND	BL	BL
DIBP	BL	BL	ND	---	---	ND	BL	BL
Conclusion	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS

Test Item(s)	A225	A226	A227	A228	A229	A230	A231	A232
Pb	BL	BL	28656▲	30775▲	30123▲	BL	BL	BL
Cd	BL	BL	BL	BL	BL	BL	BL	BL
Hg	BL	BL	BL	BL	BL	BL	BL	BL
Cr(VI)▼	BL	BL	BL	BL	BL	BL	BL	BL
PBBs	ND	---	---	---	---	BL	BL	BL
PBDEs	ND	---	---	---	---	BL	BL	BL
DBP	ND	---	---	---	---	BL	BL	BL
BBP	ND	---	---	---	---	BL	BL	BL
DEHP	ND	---	---	---	---	BL	BL	BL
DIBP	ND	---	---	---	---	BL	BL	BL
Conclusion	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS

Test Item(s)	A233	A234	A235	A236	A237	A238	A239	A240
Pb	BL	BL	BL	BL	BL	BL	BL	BL
Cd	BL	BL	BL	BL	BL	BL	BL	BL
Hg	BL	BL	BL	BL	BL	BL	BL	BL
Cr(VI)▼	BL	BL	BL	BL	BL	BL	BL	BL
PBBs	BL	BL	ND	ND	ND	BL	BL	BL
PBDEs	BL	BL	ND	ND	ND	BL	BL	BL
DBP	ND	BL	ND	ND	ND	ND	ND	BL
BBP	ND	BL	ND	ND	ND	ND	ND	BL
DEHP	ND	BL	ND	ND	ND	ND	ND	BL
DIBP	ND	BL	ND	ND	ND	ND	ND	BL



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Test Item(s)	A233	A234	A235	A236	A237	A238	A239	A240
Conclusion	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS

Test Item(s)	A241	A242	A243	A244	A245	A246	A247	A248
Pb	BL	BL	BL	BL	BL	BL	BL	BL
Cd	BL	BL	BL	BL	BL	BL	BL	BL
Hg	BL	BL	BL	BL	BL	BL	BL	BL
Cr(VI)▼	ND	ND	BL	BL	BL	ND	ND	ND
PBBs	---	---	---	BL	---	---	---	---
PBDEs	---	---	---	BL	---	---	---	---
DBP	---	---	---	ND	---	---	---	---
BBP	---	---	---	ND	---	---	---	---
DEHP	---	---	---	ND	---	---	---	---
DIBP	---	---	---	ND	---	---	---	---
Conclusion	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS

Test Item(s)	A249	A250	A251	A252	A253	A254	A255	A256
Pb	BL	BL	BL	BL	BL	BL	BL	BL
Cd	BL	BL	BL	BL	BL	BL	BL	BL
Hg	BL	BL	BL	BL	BL	BL	BL	BL
Cr(VI)▼	BL	BL	BL	BL	ND	BL	ND	BL
PBBs	---	BL	---	BL	---	---	---	BL
PBDEs	---	BL	---	BL	---	---	---	BL
DBP	---	BL	---	ND	---	---	---	BL
BBP	---	BL	---	ND	---	---	---	BL
DEHP	---	BL	---	ND	---	---	---	BL
DIBP	---	BL	---	ND	---	---	---	BL
Conclusion	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS

Test Item(s)	A257
Pb	BL
Cd	BL
Hg	BL
Cr(VI)▼	BL
PBBs	BL
PBDEs	BL
DBP	ND



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Test Item(s)	A257
BBP	ND
DEHP	ND
DIBP	ND
Conclusion	PASS



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### 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 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 = 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 PBBs/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 (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	$BL \leq 600 < X$
Benzylbutyl 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	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
MDL	10	10	10	100	100	100	100

The MDL for single compound of PBBs and PBDEs 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 0.10µg/cm<sup>2</sup>.

### (c) =Metal sample

a. The sample is positive for Cr(VI) if the Cr(VI) concentration is greater than 0.13µg/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 0.10µg/cm<sup>2</sup>).

The coating is considered a non-Cr(VI) based coating

c. The result between 0.10µg/cm<sup>2</sup> and 0.13µg/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)/PBBs/PBDEs/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.

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.



(6) \* =Considering insufficient sample amount, the Method Detection Limit (MDL) is raised appropriately.

(7) ▲=According to the declaration from the client,

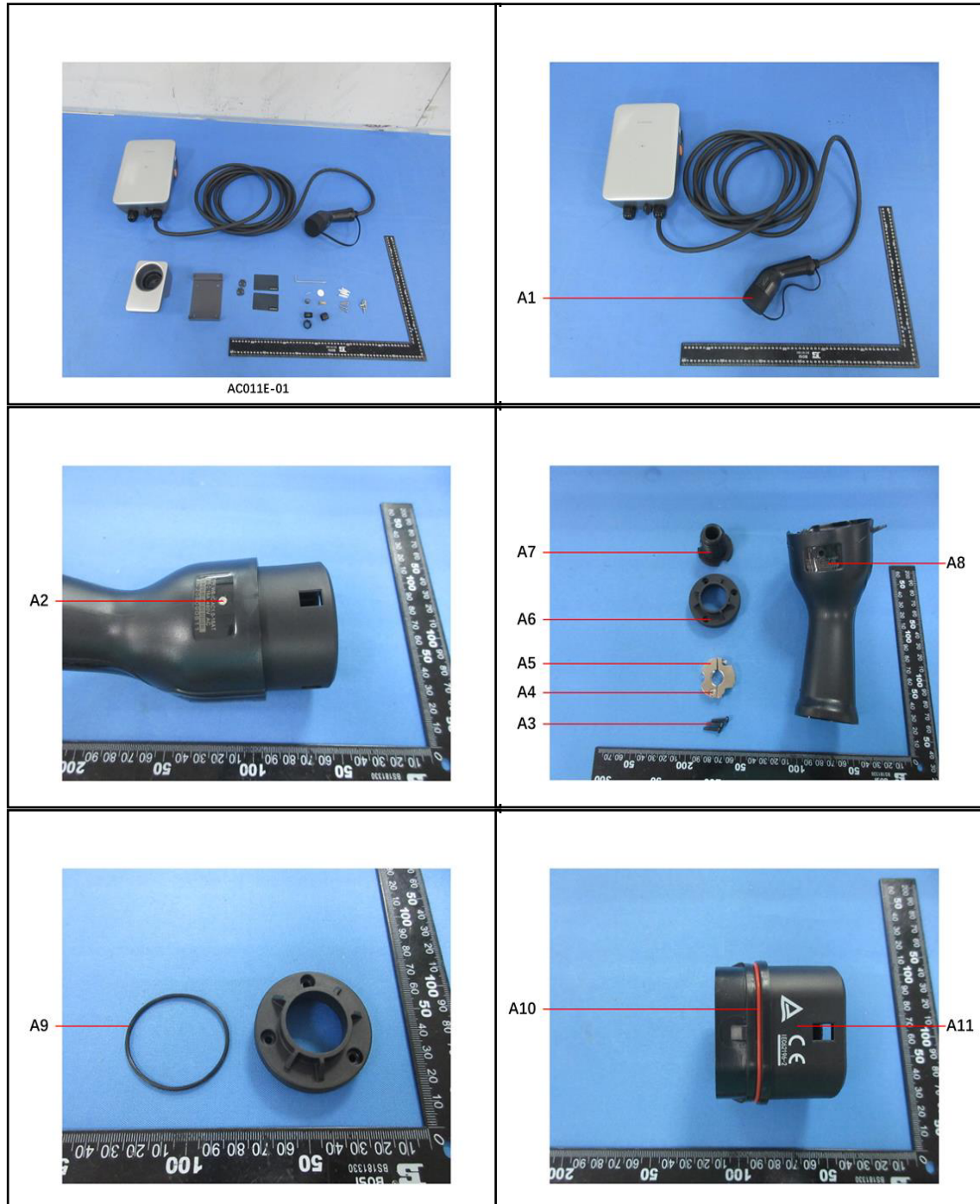
Lead (Pb) in No.A44, No.A86, No.A163, No.A227, No.A228, No.A229 are exempted by EU RoHS directive 2011/65/EU based on [ANNEX III 6(c)]: Copper alloy containing up to 4 % lead by weight.

Lead (Pb) in No.A144, No.A151, No.A209, No.A217, No.A218 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.





Sample photo:



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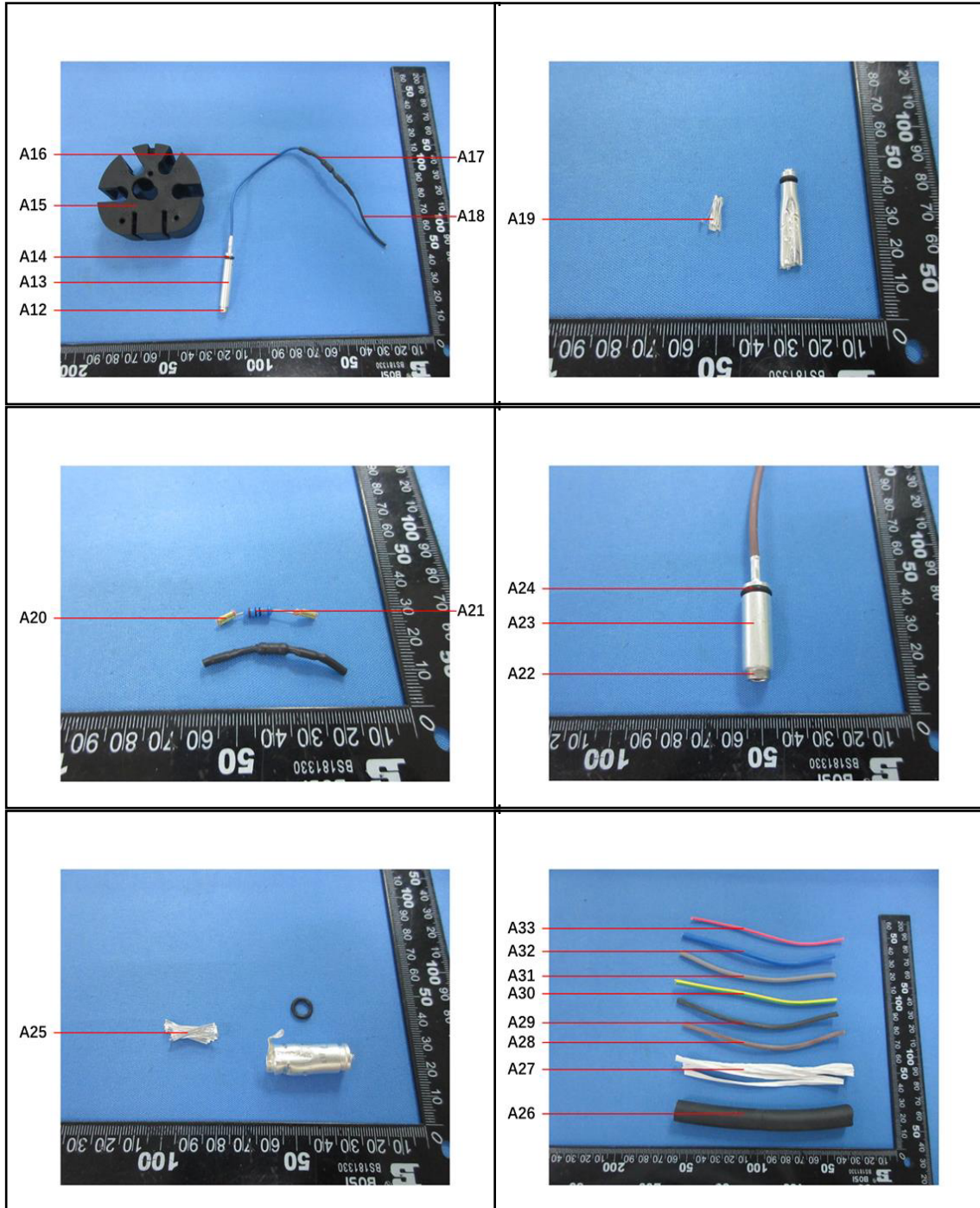
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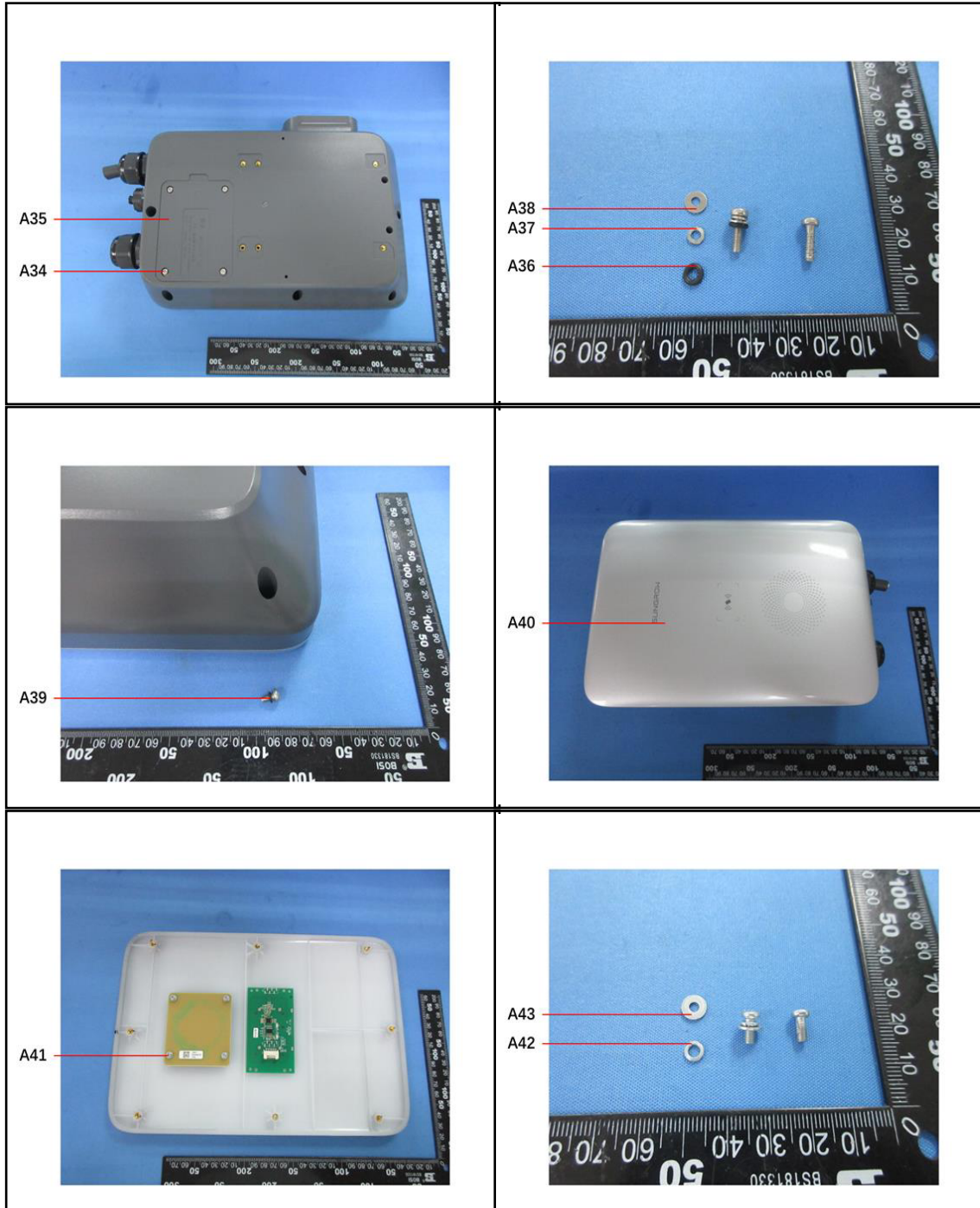
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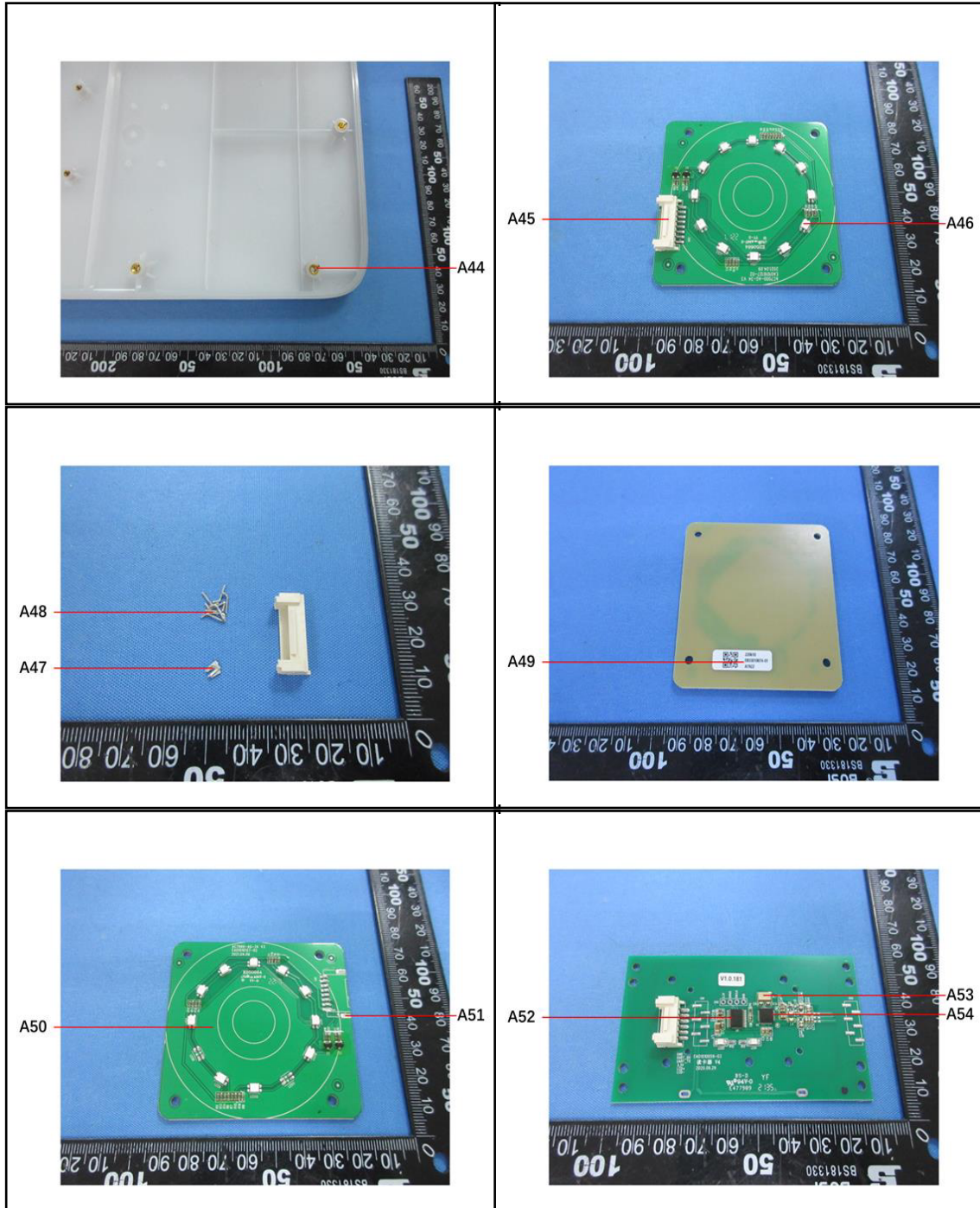
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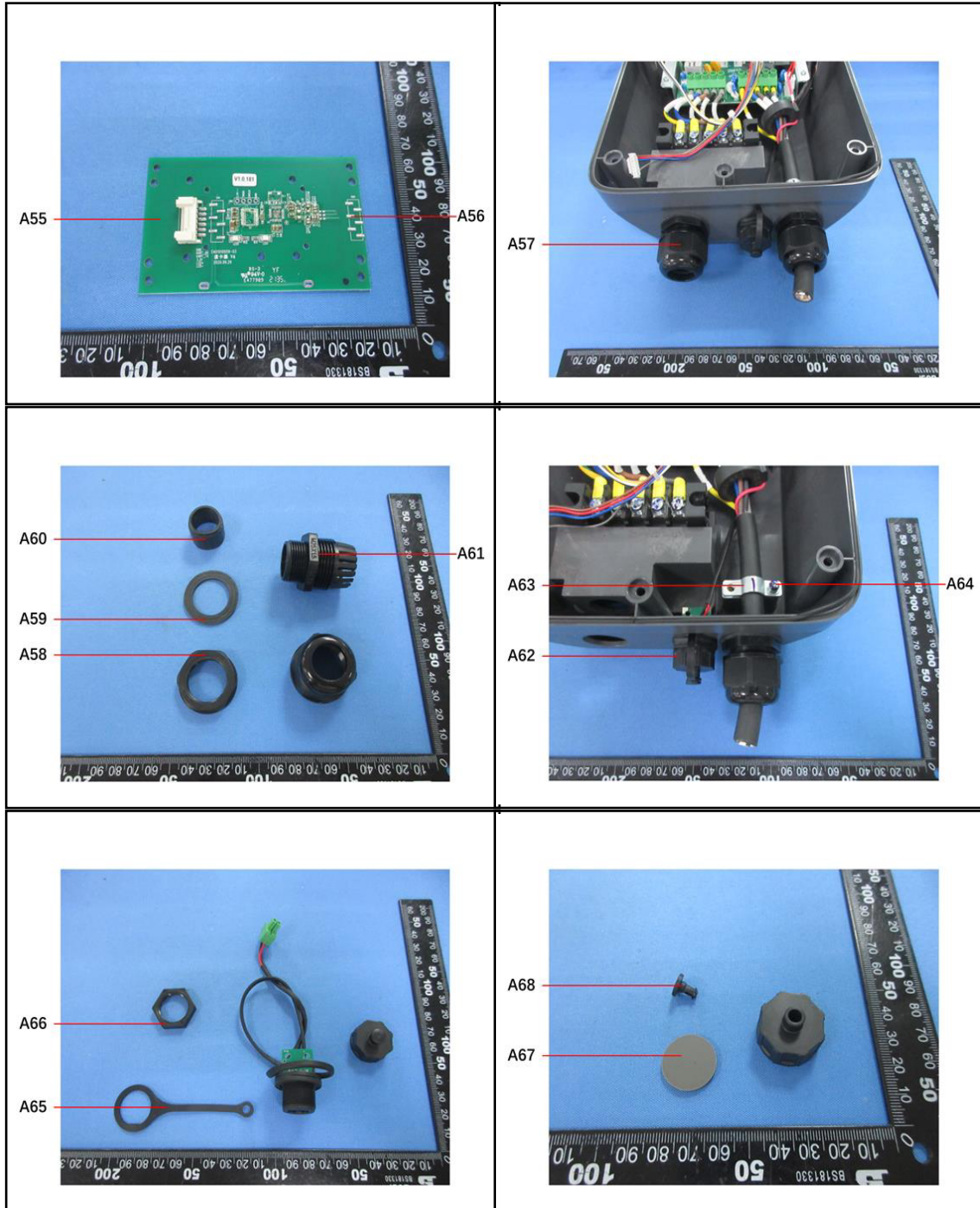
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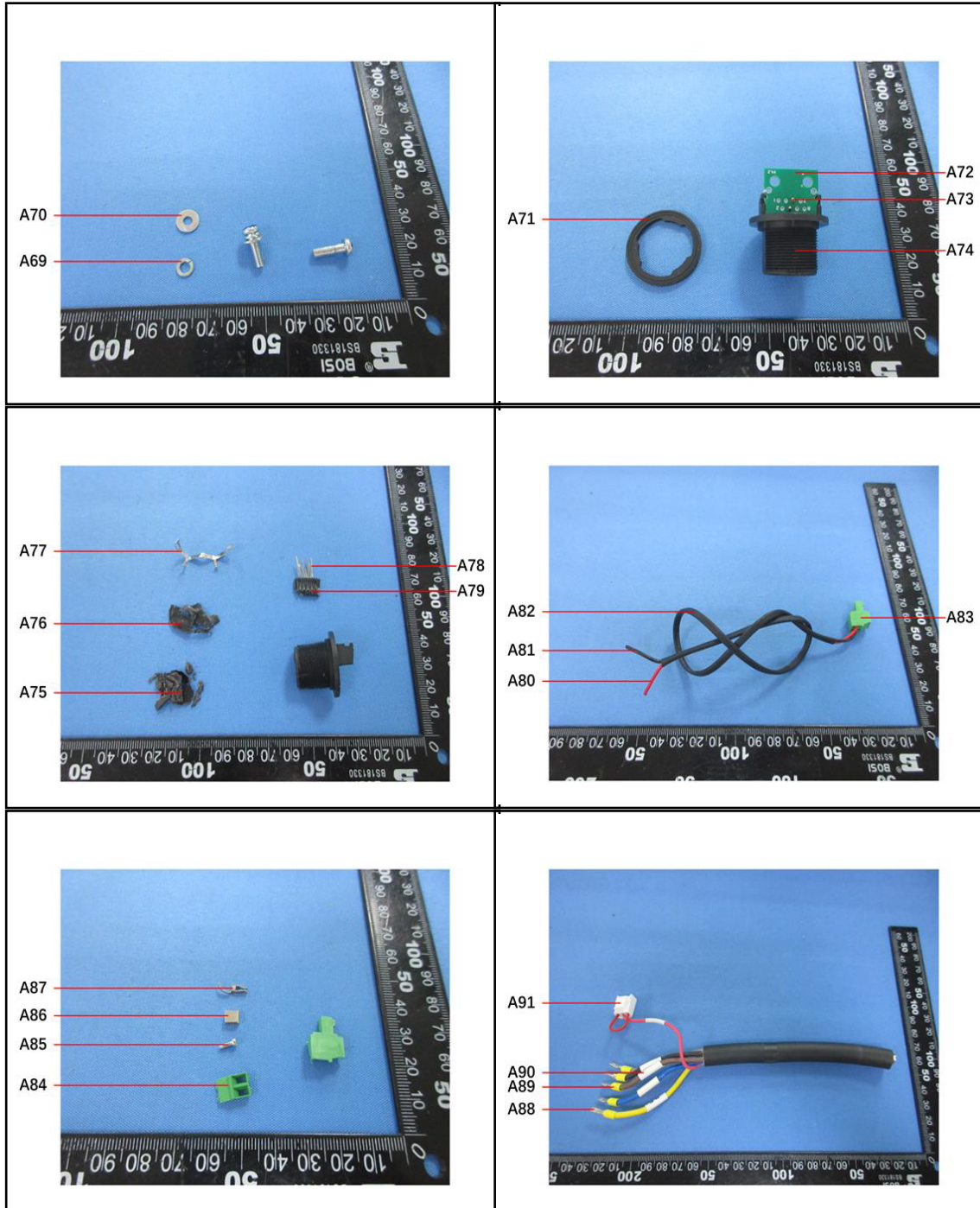












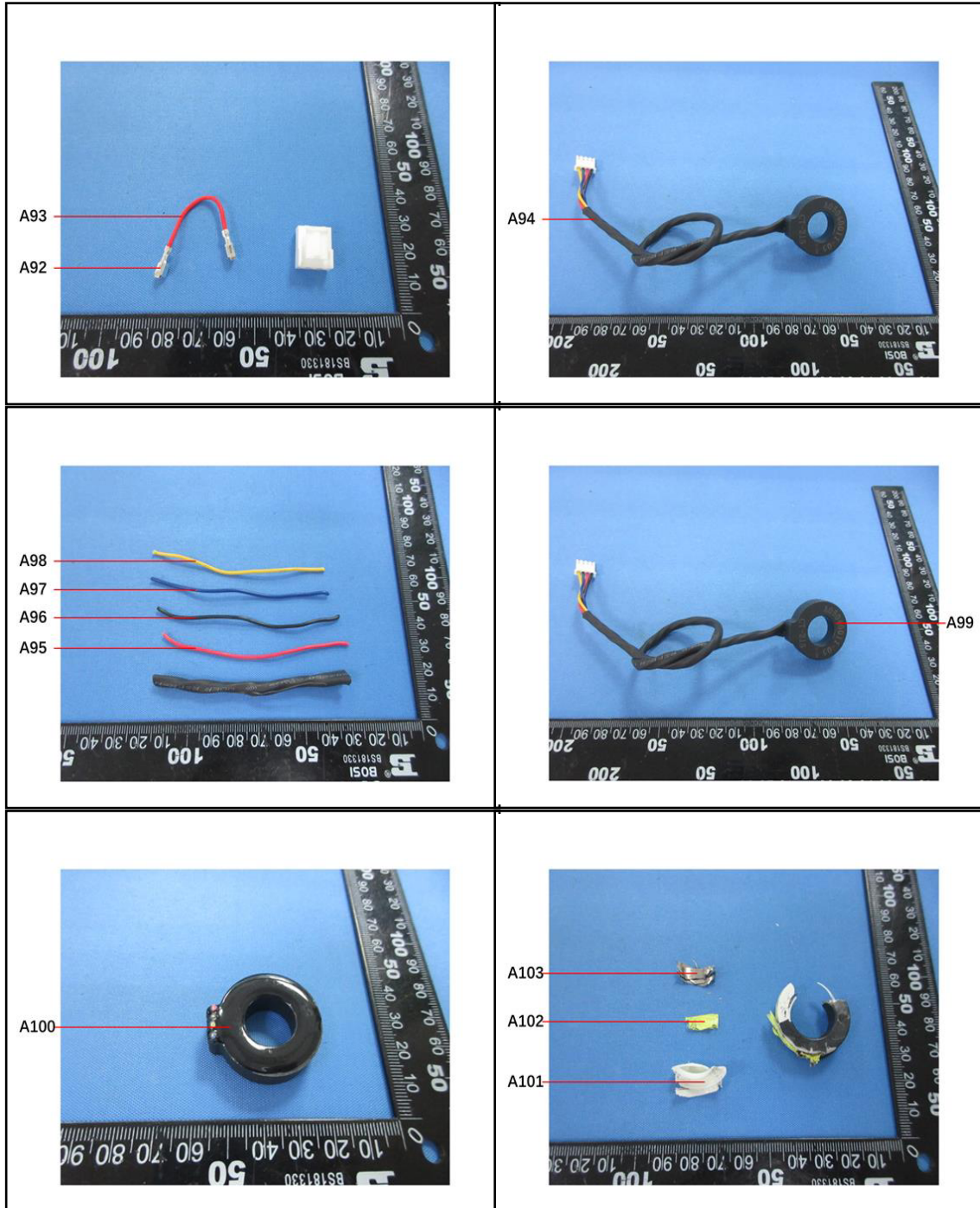
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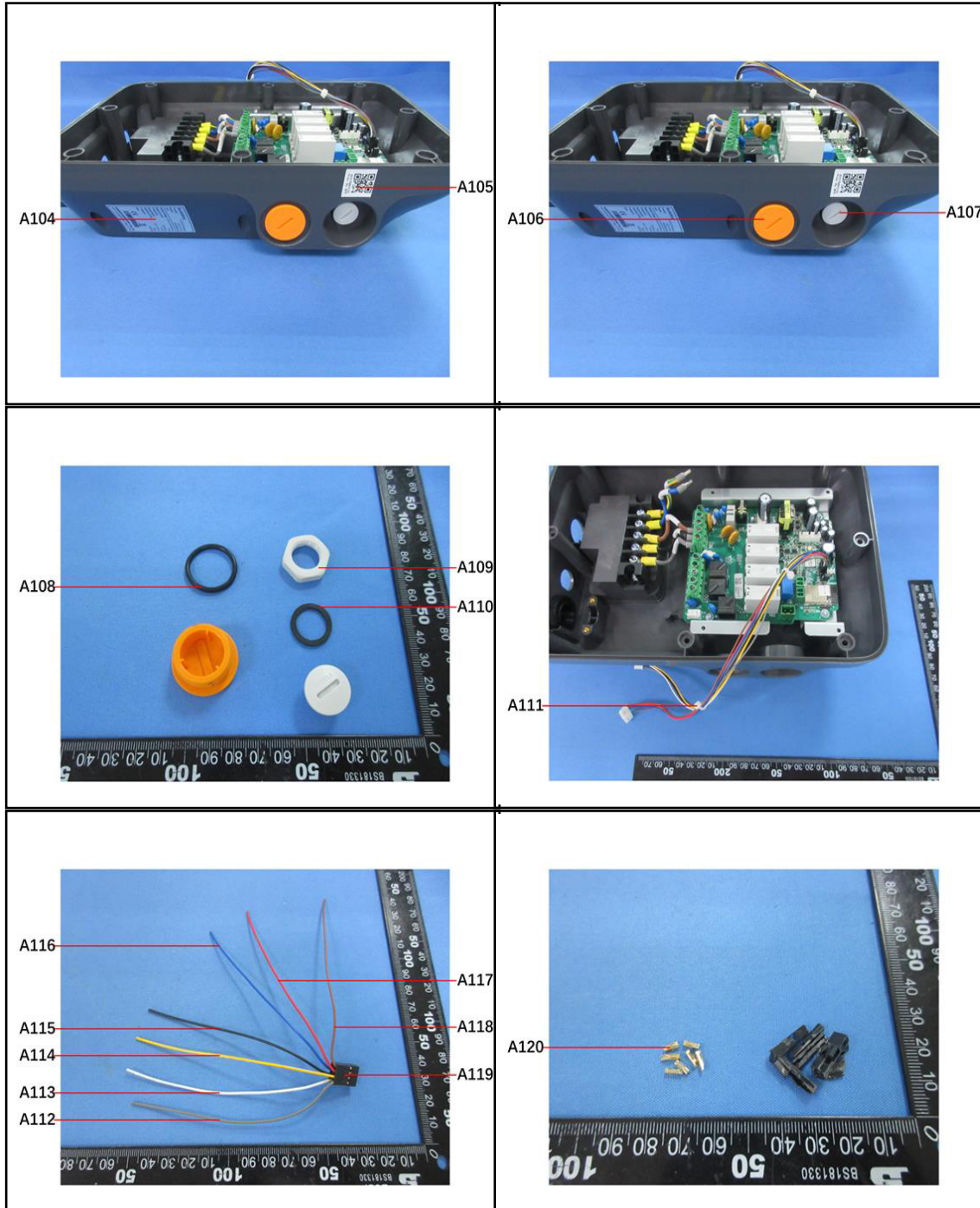
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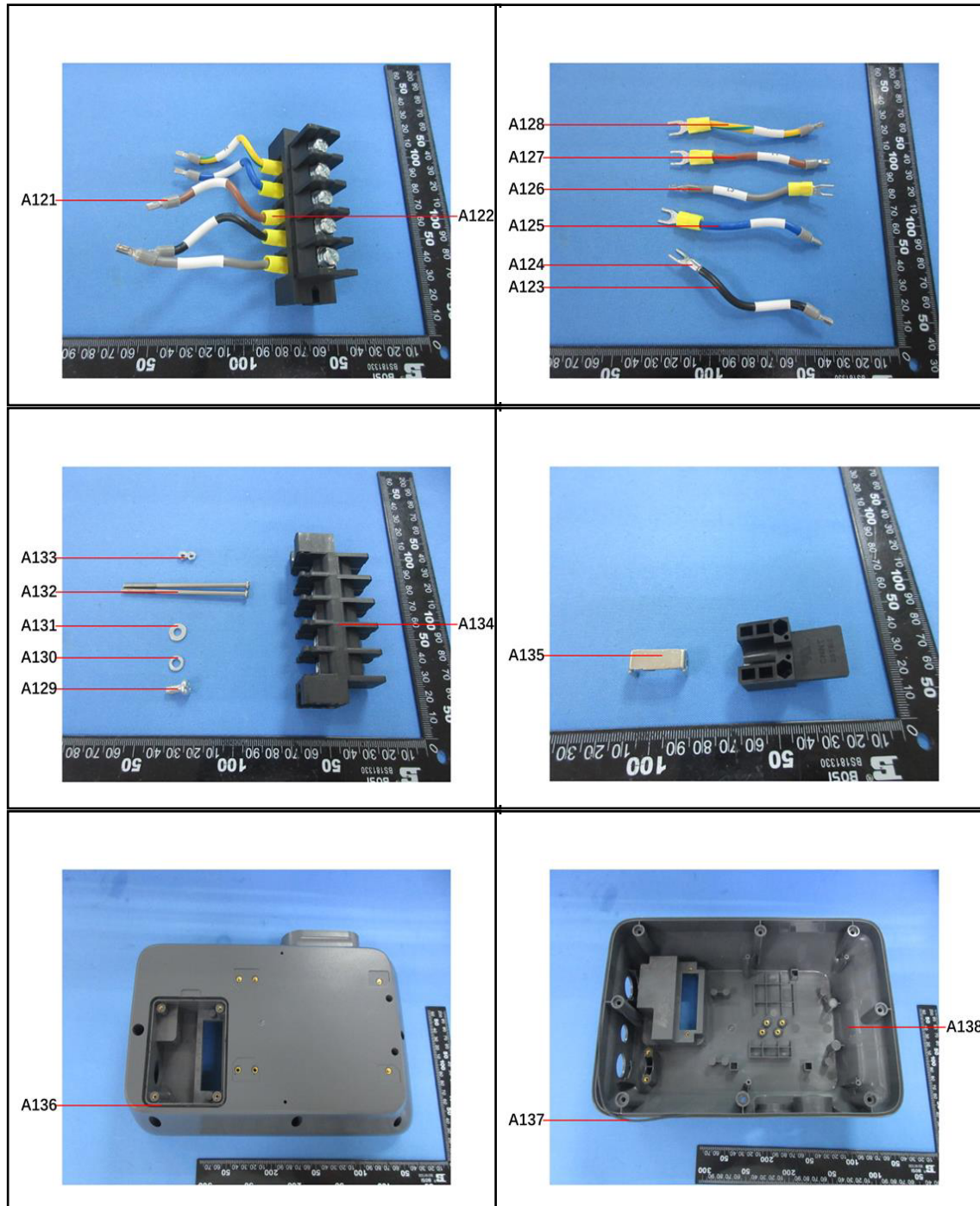
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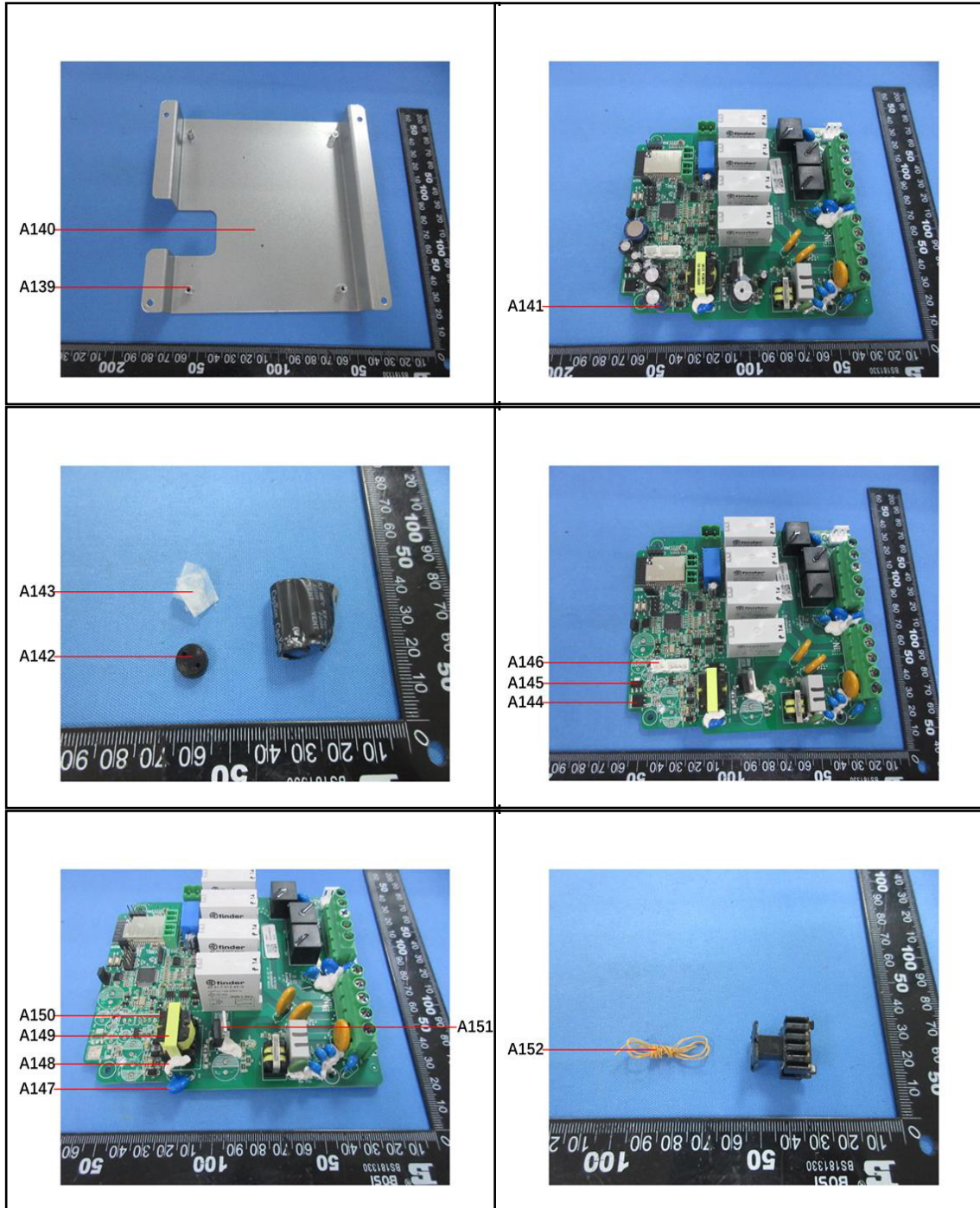


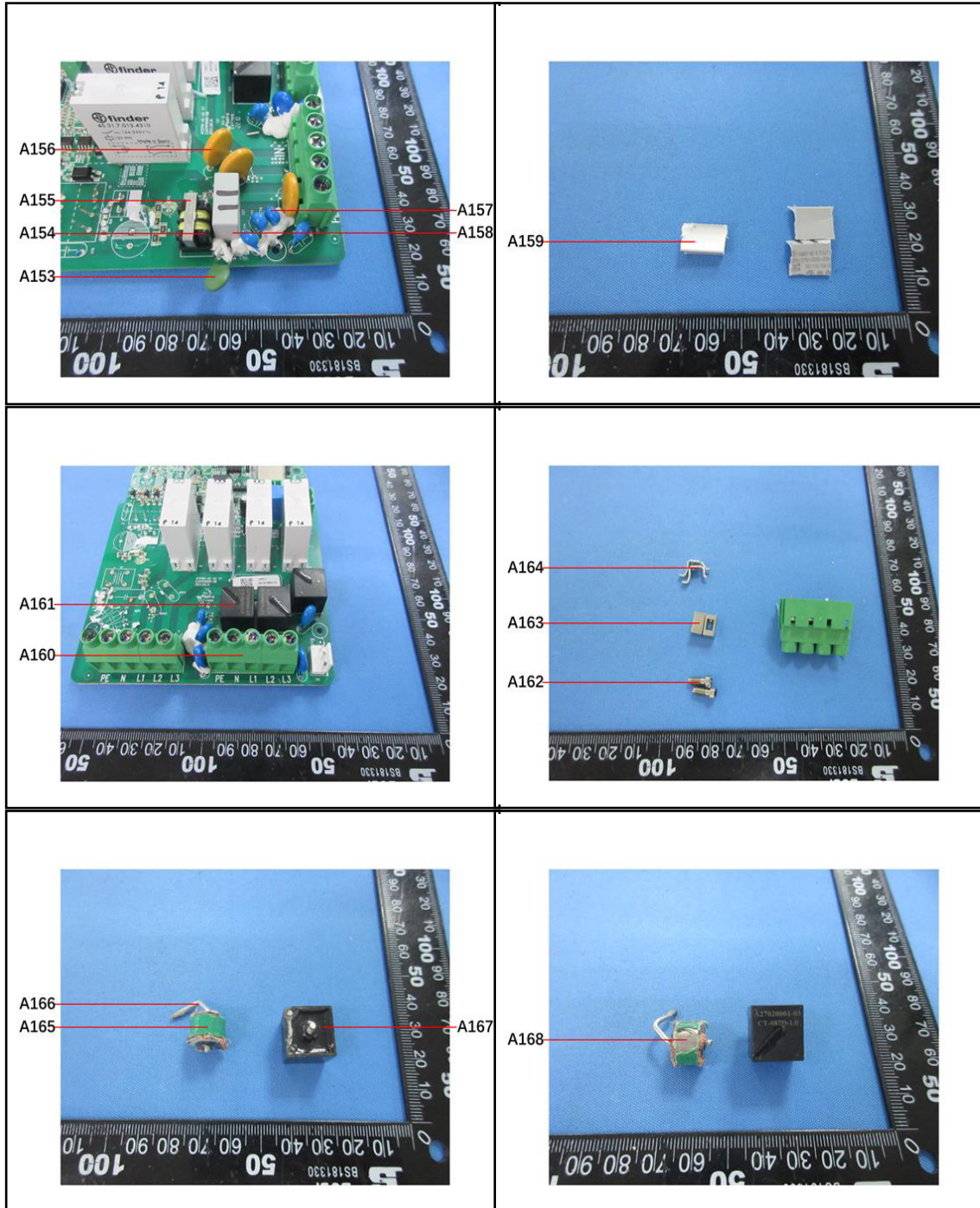




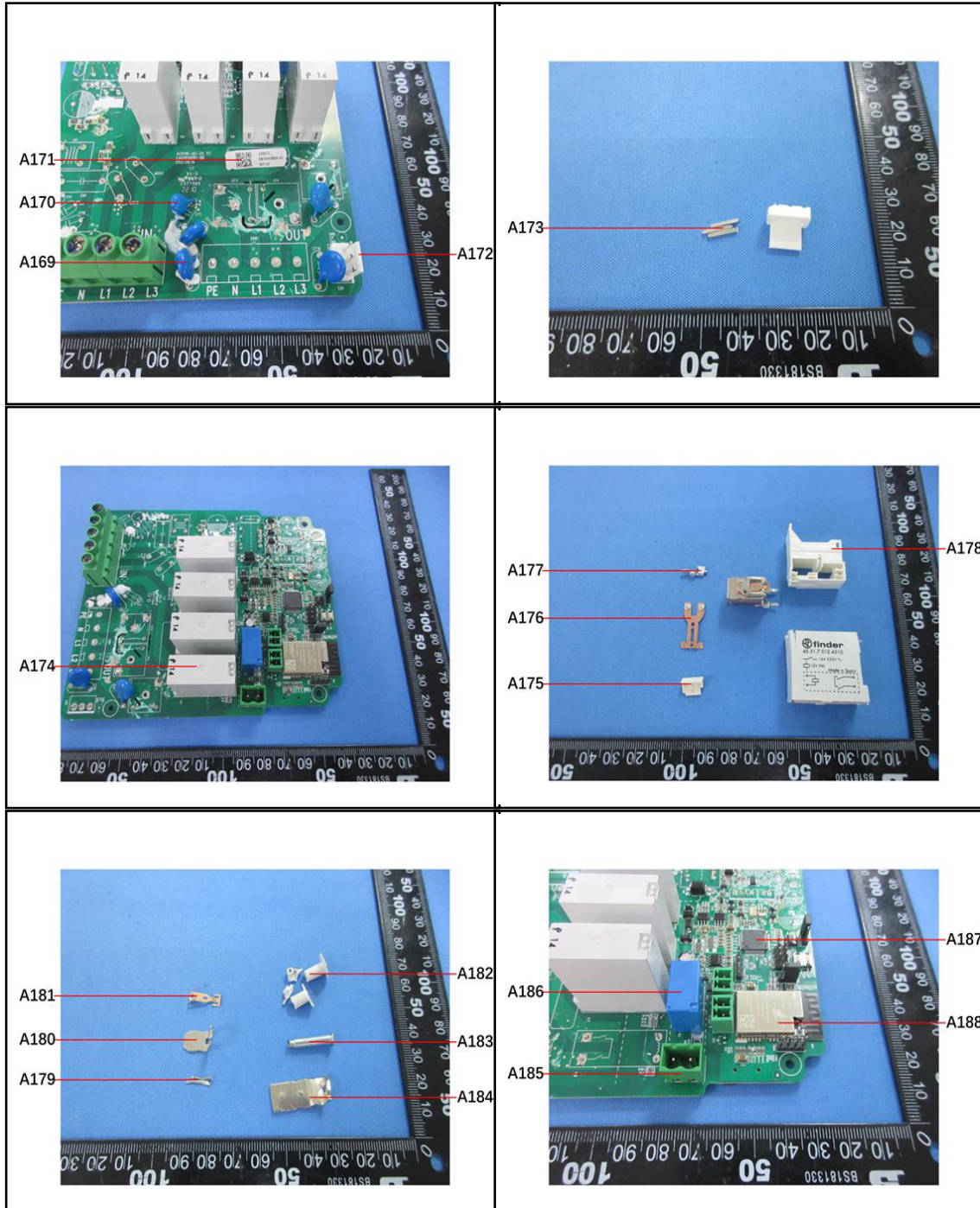




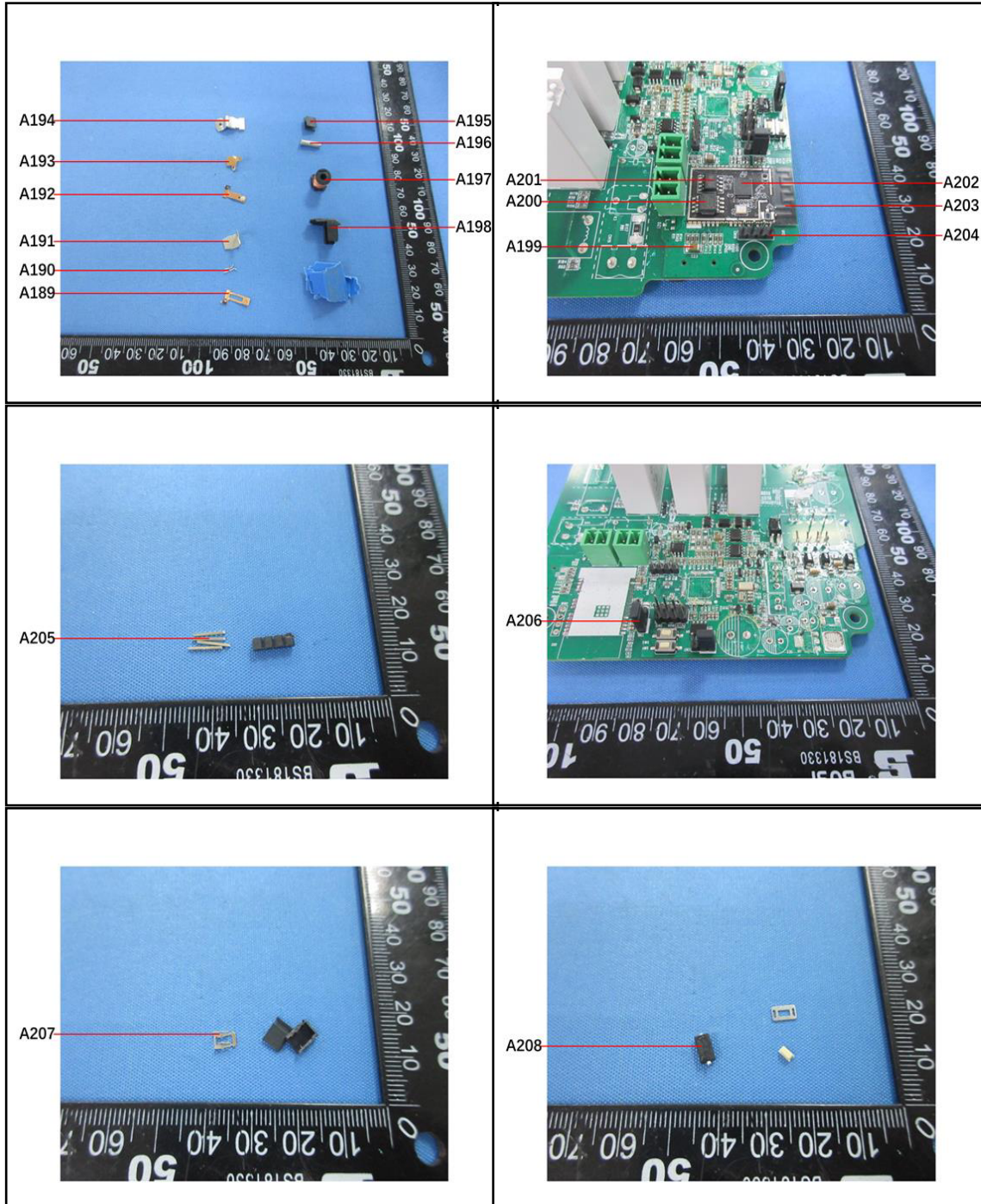




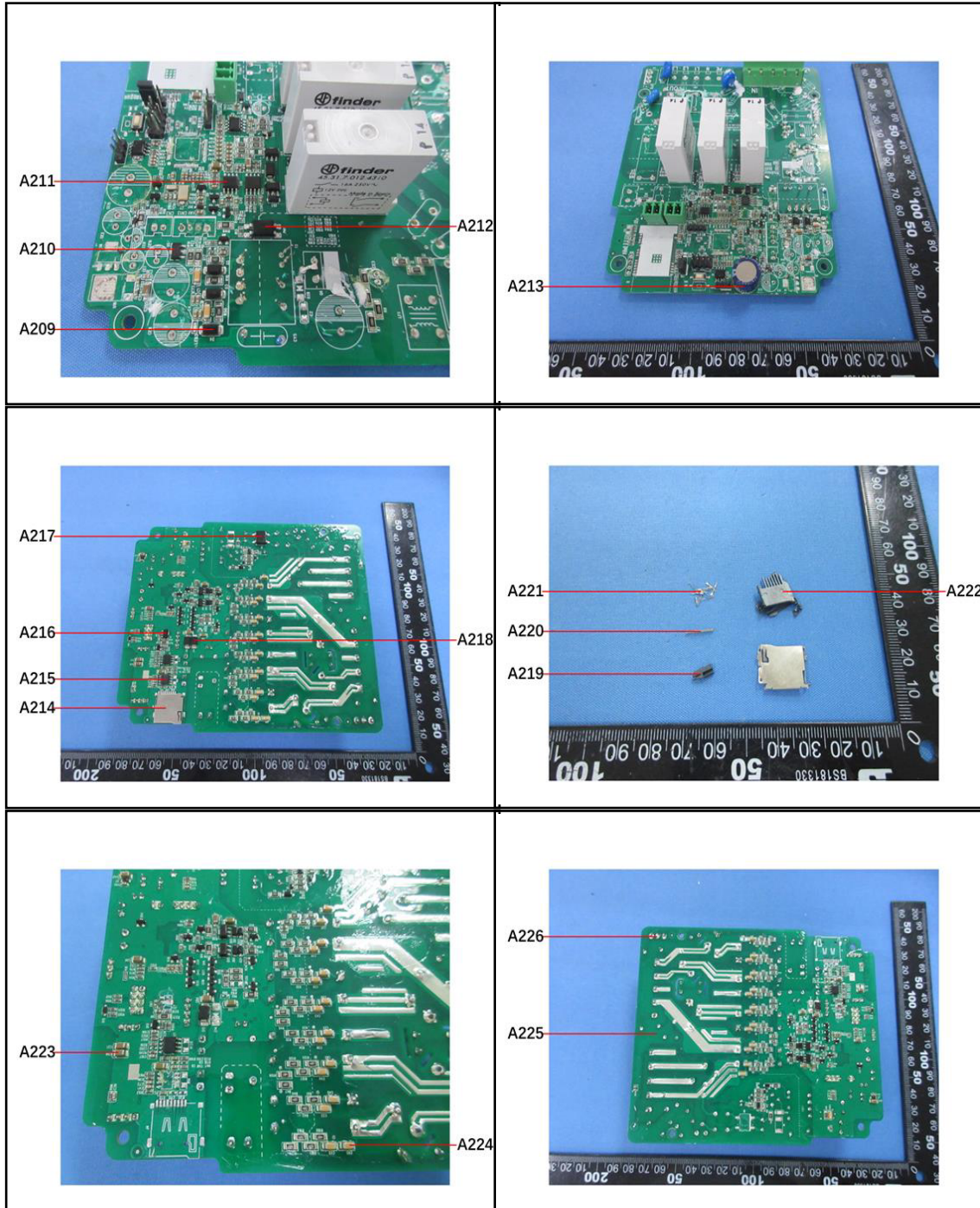


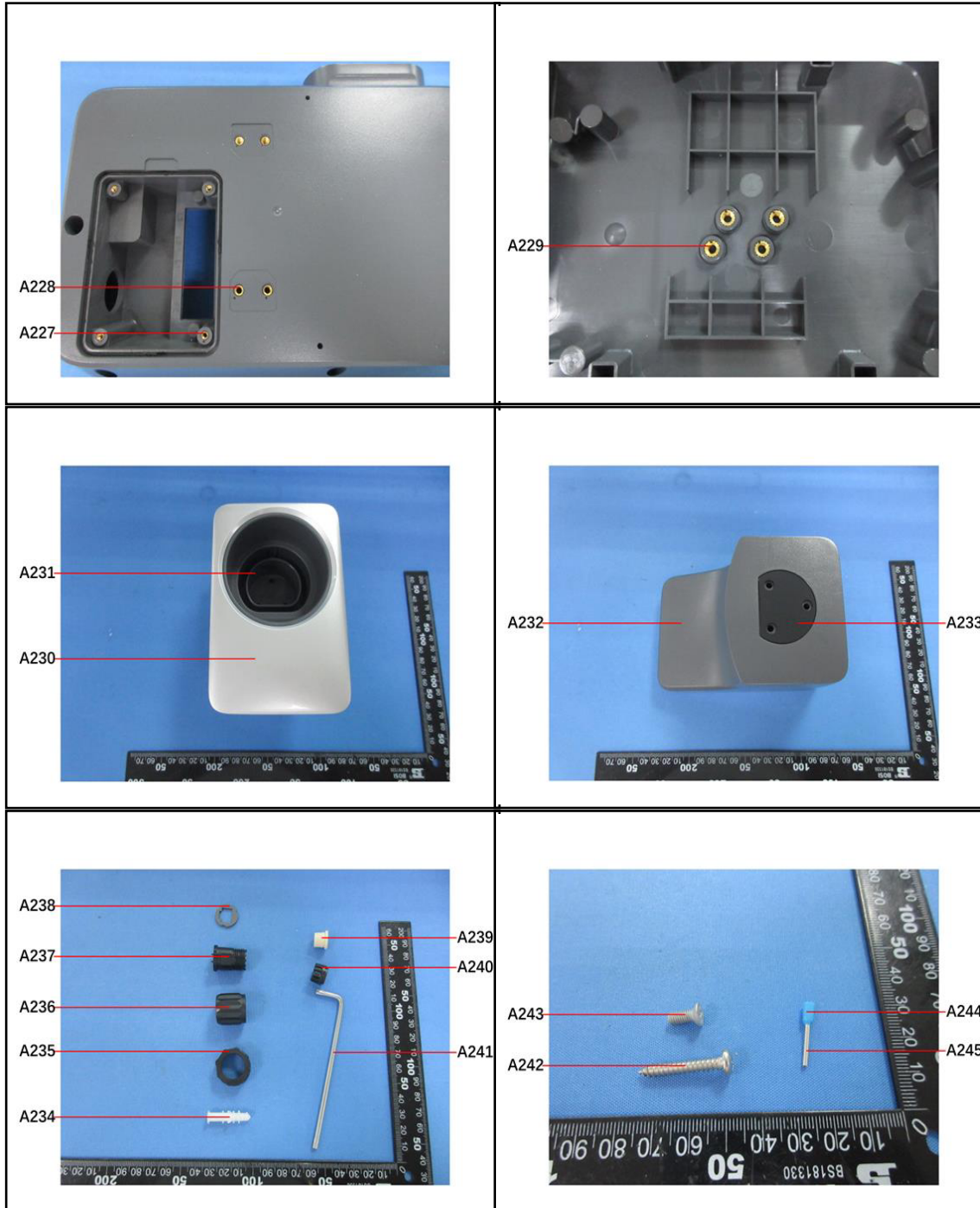




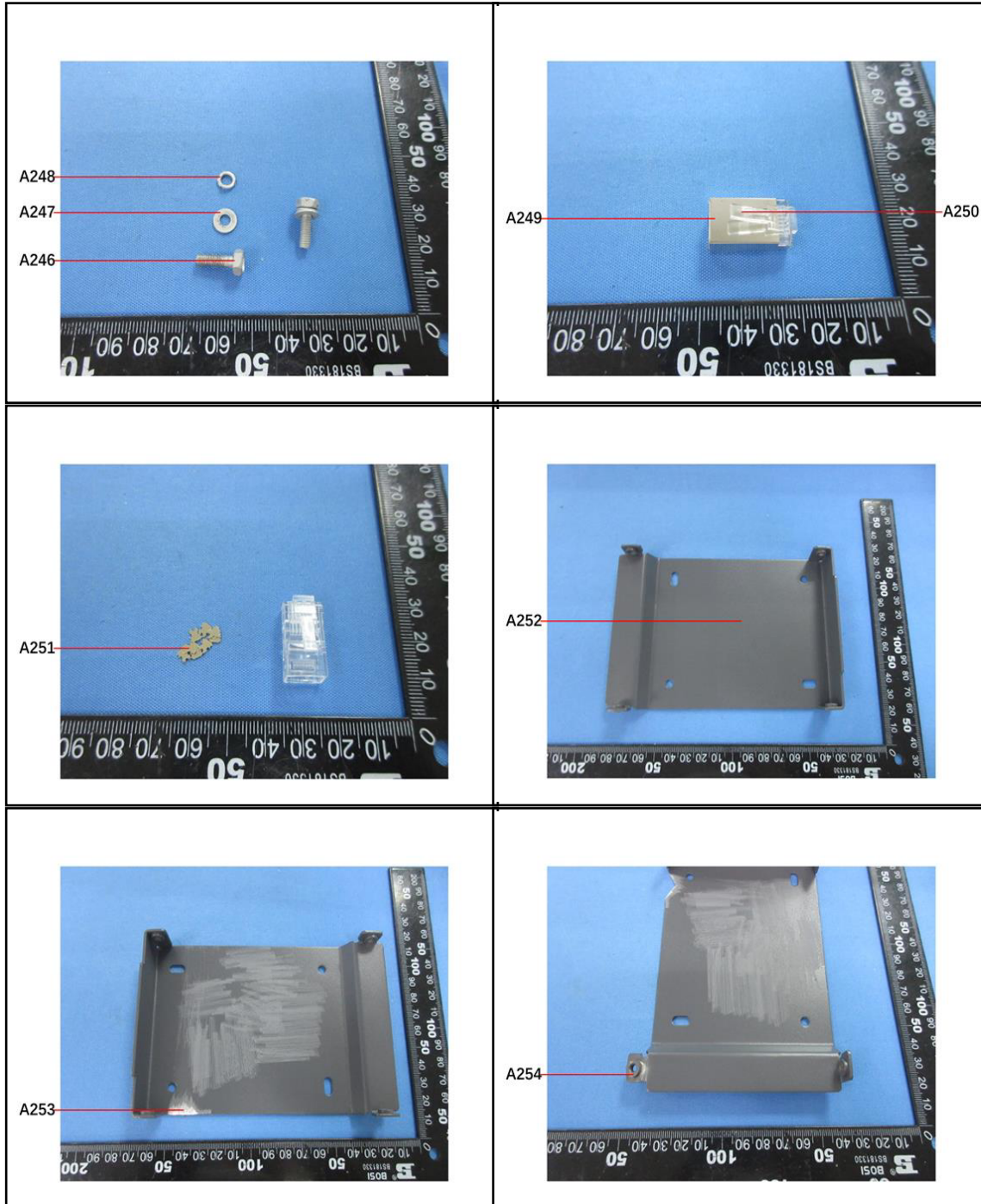












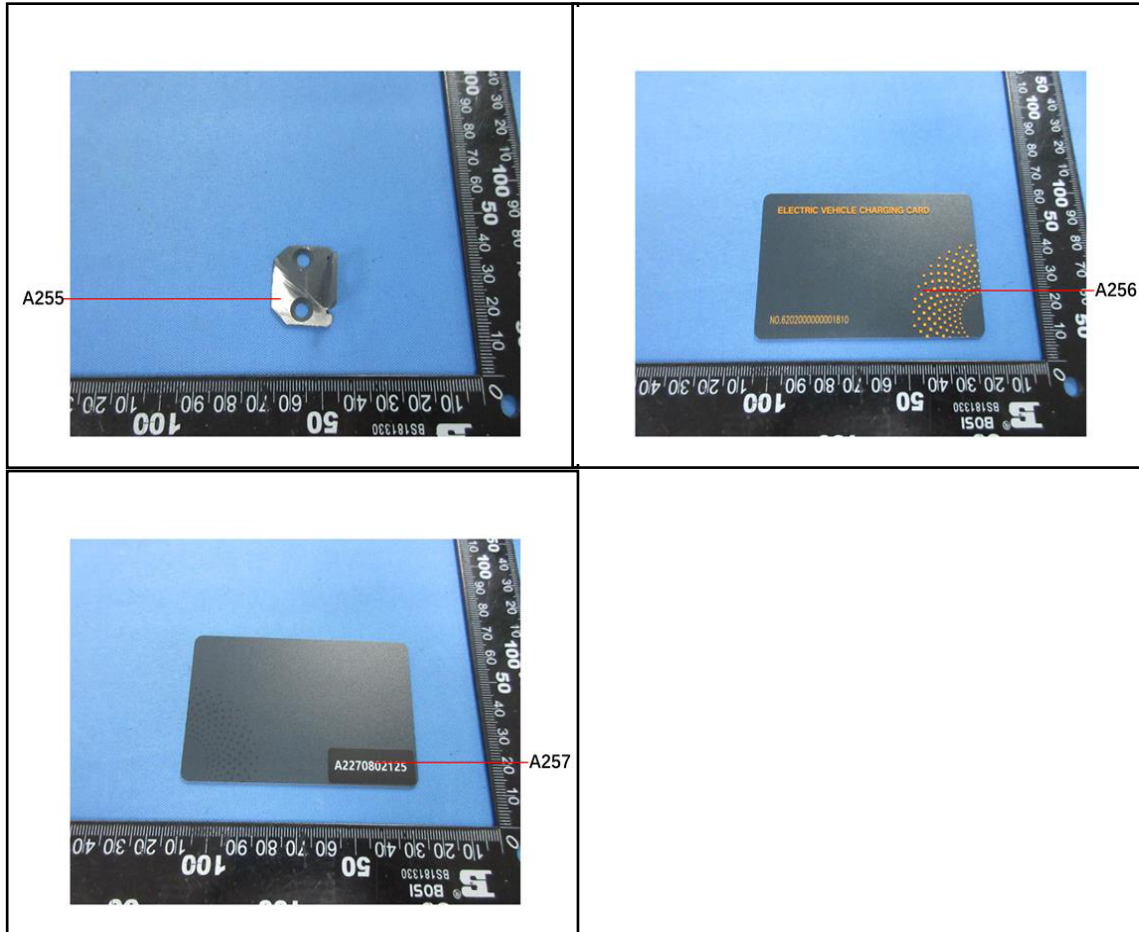
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