

## Test Report (SVHC)

No.: CANEC25003385602

Date: Apr 30, 2025

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Client Name: HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED

Client Address: 8500 BALBOA BLVD, NORTHRIDGE, CA 91329, UNITED STATES

Sample Name: PORTABLE BLUETOOTH SPEAKER

Model No.: TUNER 3

Manufacturer: HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED

Manufacturer Address: 8500 BALBOA BLVD, NORTHRIDGE, CA 91329, UNITED STATES

Supplier: Ganzhou Dehuida Technology Co., Ltd

Brand: JBL

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

SGS Job No.: SZP25-007157

Sample Receiving Date: Feb 25, 2025

Testing Period: Feb 25, 2025 ~ Mar 14, 2025

Test Requested: As requested by client, SVHC in Candidate List screening is performed according to:  
(i) Two hundred and forty seven (247) substances in the Candidate List of Substances of Very High Concern (SVHC) for authorization published by European Chemicals Agency (ECHA) on and before Jan 21, 2025 regarding Regulation (EC) No 1907/2006 concerning the REACH.

Test Method(s): Please refer to next page(s).

Test Result(s): Please refer to next page(s).

### Summary:

According to the ruling of the Court of Justice of the European Union on the definition of an article under REACH, and the specified scope and evaluation screening, the results of 247 SVHC in the Candidate List are > 0.1% (w/w) in the articles of the submitted sample. See Test Result ID 009 - A40.

See remark 2 for obligation under REACH

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

*Catty Gong*

Catty Gong  
Approved Signatory

Scan to see the report



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

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The test results of SVHC over Limit in the articles of the submitted sample summary

Test Result ID	Batch	Description	Substance Name	CAS No.	Concentration (%)
009 - A40	XIX	Black body	Lead	7439-92-1	0.454



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## Remark :

1. The chemical analysis of specified SVHC is performed by means of currently available analytical techniques against the following SVHC related documents published by ECHA:  
<http://echa.europa.eu/web/guest/candidate-list-table>  
 These lists are under evaluation by ECHA and may subject to change in the future.
2. REACH obligation:
  - 2.1 Concerning article(s):  
 Communication:  
 Article 33 of Regulation (EC) No 1907/2006 requires supplier of an article containing a substance meeting the criteria in Article 57 and identified in accordance with Article 59(1) in a concentration above 0.1% weight by weight (w/w) shall provide the recipient of the article with sufficient information, available to the supplier, to allow safe use of the article including, as a minimum, the name of that substance in the Candidate List.

### Notification:

In accordance with Regulation (EC) No 1907/2006, any EU producer or importer of articles shall notify ECHA, in accordance with paragraph 4 of Article 7, if a substance meets the criteria in Article 57 and is identified in accordance with Article 59(1) of the Regulation, if (a) the substance in the Candidate List is present in those articles in quantities totaling over one tonne per producer or importer per year; and (b) the substance in the Candidate List is present in those articles above a concentration of 0.1% weight by weight (w/w).

Companies supplying articles containing substances of very high concern (SVHCs) on the Candidate List in a concentration above 0.1% weight by weight (w/w) on the EU market must comply with the Waste Framework Directive 2008/98/EC requirement and submit SCIP notifications on these articles to ECHA, as from 5 January 2021.

### 2.2 Concerning material(s):

Test results in this report are based on the tested sample. This report refers to testing result of tested sample submitted as homogenous material(s). In case such material is being used to compose an article, the results indicated in this report may not represent SVHC concentration in such article. If this report refers to testing result of composite material group by equal weight proportion, the material in each composite test group may come from more than one article.

If the sample is a substance or mixture, and it directly exports to EU, client has the obligation to comply with the supply chain communication obligation under Article 31 of Regulation (EC) No. 1907/2006 and the conditions of Authorization of substance of very high concern included in the Annex XIV of the Regulation (EC) No. 1907/2006.

### 2.3 Concerning substance and preparation:

If a SVHC is found over 0.1% (w/w) and/or the specific concentration limit which is set in Regulation (EC) No 1272/2008 and its amendments, client is suggested to prepare a Safety Data Sheet (SDS) against the SVHC to comply with the supply chain communication obligation under Regulation (EC) No 1907/2006, in which:

- a substance that is classified as hazardous under the CLP Regulation (EC) No 1272/2008.
- a mixture that is classified as hazardous under the CLP Regulation (EC) No 1272/2008, when it contains a substance with concentration equal to, or greater than the classification limit as set in Regulation (EC) No. 1272/2008; or
- a mixture is not classified as hazardous under the CLP Regulation (EC) No 1272/2008, but contains either:



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- (a) a substance posing human health or environmental hazards in an individual concentration of  $\geq 1\%$  by weight for mixtures that are solid or liquids (i.e., non-gaseous mixtures) or  $\geq 0.2\%$  by volume for gaseous mixtures; or
- (b) a substance that is PBT, or vPvB in an individual concentration of  $\geq 0.1\%$  by weight for mixtures that are solid or liquids (i.e., non-gaseous mixtures); or
- (c) a substance on the SVHC candidate list (for reasons other than those listed above), in an individual concentration of  $\geq 0.1\%$  by weight for non-gaseous mixtures; or
- (d) a substance for which there are Europe-wide workplace exposure limits

3. If a SVHC is found over the reporting limit, client is suggested to identify the composite component which contains the SVHC and the exact concentration of the SVHC by requesting further quantitative analysis from the laboratory.

**Test Sample:**

**Sample Description:**

Test Part ID	Material Description	Test Part ID	Material Description
A1	Black/orange surfaced metal part	A2	Black plastic part with grey printing
A3	Black fibre net	A4	Black/grey fibre sheet
A5	Black rubber part	A6	Black plastic part with grey printing
A7	Black surfaced metal screw	A8	Black plastic cover
A9	Black surfaced metal part	A10	Transparent plastic sheet
A11	Black plastic part	A12	Grey plastic part
A13	Black plastic part	A14	Orange rubber ring
A15	Black rubber part	A16	Silvery metal part
A17	Black plastic part	A18	White "FPC" with blue printing
A19	Silvery mixed part	A20	Green "PCB" with solder
A21	Black adhesive foam sheet	A22	Black rubber part
A23	Grey core	A24	Red plastic (wire insulation)
A25	White plastic (wire insulation)	A26	Black plastic (wire insulation)
A27	Silvery metal wire	A28	Black surfaced metal part
A29	Silvery metal part	A30	Silvery metal part
A31	Silvery magnet	A32	Silvery metal sheet
A33	Orange rubber ring	A34	Beige mixed part
A35	Silvery metal part	A36	Grey body
A37	Silvery body with black printing	A38	Green "PCB" with solder
A39	Brown body (chip capacitor)	A40	Black body
A41	Black/silvery mixed part	A42	Green "PCB" with solder
A43	Green "PCB"	A44	Black plastic part
A45	Black surfaced metal tube	A46	Silvery metal tube
A47	Black surfaced metal part	A48	Silvery metal part
A49	Silvery metal ring	A50	Golden metal part
A51	Black surfaced metal part	A52	Black plastic (wire insulation) with wire
A53	White plastic part	A54	Black plastic (wire insulation) with wire



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Test Part ID	Material Description	Test Part ID	Material Description
A55	Green "PCB"	A56	Orange rubber ring
A57	Black plastic part	A58	Black rubber part
A59	Transparent plastic sheet	A60	Black adhesive plastic sheet
A61	White plastic part with black printing	A62	Black transparent adhesive plastic sheet
A63	Black transparent adhesive plastic sheet	A64	Transparent ceramic sheet with liquid
A65	Silvery metal part	A66	Black plastic part
A67	Black plastic (cable jacket)	A68	Silvery mixed part
A69	Orange/golden mixed part	A70	Translucent plastic part
A71	Black plastic (wire insulation) with wire	A72	Green plastic (wire insulation) with wire
A73	Red plastic (wire insulation) with wire	A74	White plastic (wire insulation) with wire
A75	White adhesive plastic sheet with black printing	A76	White mixed part
A77	Black plastic (wire insulation)	A78	Yellow plastic (wire insulation)
A79	White plastic (wire insulation)	A80	Red plastic (wire insulation)
A81	Silvery metal wire	A82	Black adhesive plastic sheet
A83	Blue plastic/plastic shell	A84	Red plastic (wire insulation)
A85	White plastic (wire insulation)	A86	Yellow plastic (wire insulation)
A87	Black plastic (wire insulation)	A88	Black "PCB" with solder
A89	Green plastic shell with black printing	A90	Brown paper sheet with black printing
A91	White adhesive plastic sheet with black printing	A92	Transparent adhesive plastic sheet
A93	White adhesive plastic sheet with black printing	A94	Multicolor surfaced paper sheet
A95	Transparent adhesive plastic sheet	A96	Multicolor surfaced paper sheet
A97	Black paper sheet with white printing	A98	White fibre sheet
A99	Brown paper sheet	A100	White paper sheet
A101	Brown paper sheet	A102	White paper sheet
A103	Cell	A104	Silvery/orange surfaced metal part
A105	White plastic part with grey printing	A106	Grey/white fibre sheet
A107	White rubber part	A108	White fibre net
A109	Silvery metal part	A110	Silvery metal tube
A111	White plastic part with grey printing	A112	White plastic cover
A113	White plastic part	A114	White plastic part
A115	White plastic part	A116	Silvery metal part
A117	Silvery metal part	A118	White plastic part
A119	Black transparent adhesive plastic sheet	A120	Black transparent adhesive plastic sheet
A121	Transparent glass sheet with liquid	A122	Transparent plastic sheet
A123	Black adhesive plastic sheet	A124	Black rubber part
A125	Silvery metal sheet	A126	Silvery body with black printing
A127	Black ink	A128	Copper-colored enamel-insulated wire



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Test Part ID	Material Description	Test Part ID	Material Description
A129	Red enamel-insulated wire	A130	Green surfaced core

**Testing Group:**

Test Result ID	Description	Test Part ID	SGS Sample ID
001	Metal group	A1+A7+A9+A16+A27+A28+A29+A30+A32+A35+A45+A46+A47	CAN25-0033856-0002
002	Metal group	A48+A49+A50+A51+A65+A81+A104+A109+A110+A116+A117+A125	CAN25-0033856-0003
003	Nonmetal group (confirmation test)	A2+A6+A8+A10+A11+A12+A13+A17+A24+A25+A26+A44+A52+A53+A54+A56+A57+A59+A60+A63	CAN25-0033856-0004
004	Nonmetal group (confirmation test)	A61+A62+A66+A67+A70+A71+A72+A73+A74+A75+A77+A78+A79+A80+A83+A84+A89+A105+A111+A112	CAN25-0033856-0005
005	Nonmetal group (confirmation test)	A19+A34+A41+A68+A69+A76+A82+A85+A86+A87+A113+A114+A115+A118+A119+A120+A122+A123	CAN25-0033856-0006
006	Nonmetal group (confirmation test)	A3+A4+A5+A14+A15+A22+A33+A58+A106+A107+A108+A124	CAN25-0033856-0007
007	Nonmetal group (confirmation test)	A18+A20+A21+A23+A31+	CAN25-0033856-0008



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Test Result ID	Description	Test Part ID	SGS Sample ID
		A38+A42+A43+A55+A64+A88+A121	
008	Nonmetal group	A90+A91+A92+A93+A94+A95+A96+A97+A98+A99+A100+A101+A102	CAN25-0033856-0009
009	Nonmetal group (confirmation test)	A36+A37+A39+A40+A126	CAN25-0033856-0010
010	Nonmetal group	A128+A129+A130	CAN25-0033856-0021
011	Cell	A103	CAN25-0033856-0001.C103
012	Black ink	A127	CAN25-0033856-0001.C127

### Confirmation Sample:

Test Result ID	Description	Test Part ID	SGS Sample ID
003 - A2+A6+A8+A10+A11+A12+A13+A17+A24+A25	Nonmetal group	A2+A6+A8+A10+A11+A12+A13+A17+A24+A25	CAN25-0033856-0011
003 - A26+A44+A52+A53+A54+A56+A57+A59+A60	Nonmetal group	A26+A44+A52+A53+A54+A56+A57+A59+A60	CAN25-0033856-0012
003 - A6+A8+A11+A12+A13+A17+A44+A57	Nonmetal group	A6+A8+A11+A12+A13+A17+A44+A57	CAN25-0033856-0017
003 - A2	Black plastic part with grey printing	A2	CAN25-0033856-0001.C002
003 - A10	Transparent plastic sheet	A10	CAN25-0033856-0001.C010
003 - A24	Red plastic (wire insulation)	A24	CAN25-0033856-0001.C024
003 - A25	White plastic (wire insulation)	A25	CAN25-0033856-0001.C025
003 - A26	Black plastic (wire insulation)	A26	CAN25-0033856-0001.C026
003 - A52	Black plastic (wire insulation) with wire	A52	CAN25-0033856-0001.C052
003 - A53	White plastic part	A53	CAN25-0033856-0001.C053
003 - A54	Black plastic (wire insulation) with wire	A54	CAN25-0033856-0001.C054



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Test Result ID	Description	Test Part ID	SGS Sample ID
003 - A56	Orange rubber ring	A56	CAN25-0033856-0001.C056
003 - A59	Transparent plastic sheet	A59	CAN25-0033856-0001.C059
003 - A60	Black adhesive plastic sheet	A60	CAN25-0033856-0001.C060
003 - A63	Black transparent adhesive plastic sheet	A63	CAN25-0033856-0001.C063
004 - A61+A66+A67+A70+A71+A72+A73+A74+A75	Nonmetal group	A61+A66+A67+A70+A71+A72+A73+A74+A75	CAN25-0033856-0013
004 - A77+A78+A79+A80+A83+A84+A89+A105+A111+A112	Nonmetal group	A77+A78+A79+A80+A83+A84+A89+A105+A111+A112	CAN25-0033856-0014
004 - A61+A111+A112	Nonmetal group	A61+A111+A112	CAN25-0033856-0018
004 - A62	Black transparent adhesive plastic sheet	A62	CAN25-0033856-0001.C062
004 - A66	Black plastic part	A66	CAN25-0033856-0001.C066
004 - A67	Black plastic (cable jacket)	A67	CAN25-0033856-0001.C067
004 - A70	Translucent plastic part	A70	CAN25-0033856-0001.C070
004 - A71	Black plastic (wire insulation) with wire	A71	CAN25-0033856-0001.C071
004 - A72	Green plastic (wire insulation) with wire	A72	CAN25-0033856-0001.C072
004 - A73	Red plastic (wire insulation) with wire	A73	CAN25-0033856-0001.C073
004 - A74	White plastic (wire insulation) with wire	A74	CAN25-0033856-0001.C074
004 - A75	White adhesive plastic sheet with black printing	A75	CAN25-0033856-0001.C075
004 - A77	Black plastic (wire insulation)	A77	CAN25-0033856-0001.C077
004 - A78	Yellow plastic (wire insulation)	A78	CAN25-0033856-0001.C078
004 - A79	White plastic (wire insulation)	A79	CAN25-0033856-0001.C079
004 - A80	Red plastic (wire insulation)	A80	CAN25-0033856-0001.C080
004 - A83	Blue plasticplastic shell	A83	CAN25-0033856-0001.C083



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004 - A84	Red plastic (wire insulation)	A84	CAN25-0033856-0001.C084
004 - A89	Green plastic shell with black printing	A89	CAN25-0033856-0001.C089
004 - A105	White plastic part with grey printing	A105	CAN25-0033856-0001.C105
005 - A19+A34+A41+A68+A69+A76+A82+A85	Nonmetal group	A19+A34+A41+A68+A69+A76+A82+A85	CAN25-0033856-0015
005 - A86+A87+A113+A114+A115+A118+A122+A123	Nonmetal group	A86+A87+A113+A114+A115+A118+A122+A123	CAN25-0033856-0016
005 - A119	Black transparent adhesive plastic sheet	A119	CAN25-0033856-0001.C119
005 - A120	Black transparent adhesive plastic sheet	A120	CAN25-0033856-0001.C120
006 - A3+A4+A106+A108	Nonmetal group	A3+A4+A106+A108	CAN25-0033856-0019
006 - A5	Black rubber part	A5	CAN25-0033856-0001.C005
006 - A14	Orange rubber ring	A14	CAN25-0033856-0001.C014
006 - A15	Black rubber part	A15	CAN25-0033856-0001.C015
006 - A22	Black rubber part	A22	CAN25-0033856-0001.C022
006 - A33	Orange rubber ring	A33	CAN25-0033856-0001.C033
006 - A58	Black rubber part	A58	CAN25-0033856-0001.C058
006 - A107	White rubber part	A107	CAN25-0033856-0001.C107
006 - A124	Black rubber part	A124	CAN25-0033856-0001.C124
007 - A21+A23+A31+A64+A121	Nonmetal group	A21+A23+A31+A64+A121	CAN25-0033856-0020
007 - A18	White "FPC" with blue printing	A18	CAN25-0033856-0001.C018
007 - A20	Green "PCB" with solder	A20	CAN25-0033856-0001.C020
007 - A38	Green "PCB" with solder	A38	CAN25-0033856-0001.C038
007 - A42	Green "PCB" with solder	A42	CAN25-0033856-0001.C042



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Test Result ID	Description	Test Part ID	SGS Sample ID
007 - A43	Green "PCB"	A43	CAN25-0033856-0001.C043
007 - A55	Green "PCB"	A55	CAN25-0033856-0001.C055
007 - A88	Black "PCB" with solder	A88	CAN25-0033856-0001.C088
009 - A36	Grey body	A36	CAN25-0033856-0001.C036
009 - A37	Silvery body with black printing	A37	CAN25-0033856-0001.C037
009 - A39	Brown body (chip capacitor)	A39	CAN25-0033856-0001.C039
009 - A40	Black body	A40	CAN25-0033856-0001.C040
009 - A126	Silvery body with black printing	A126	CAN25-0033856-0001.C126

**Test Method:**

With reference to SGS In-House method, analysis was performed by ICP-OES, UV-VIS, GC-MS, HPLC-DAD/MS and Colorimetric Method.



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**Result of SVHC in the Candidate List**

Batch	Substance Name	CAS No.	001 Concentration (%)	RL (%)
I	Diarsenic pentaoxide*	1303-28-2	0.065	0.010
XIX	Lead	7439-92-1	0.038	0.010
-	Other SVHC in Candidate list	-	ND	-

**Result of SVHC in the Candidate List**

Batch	Substance Name	CAS No.	002 Concentration (%)	RL (%)
I	Diarsenic pentaoxide*	1303-28-2	0.025	0.010
-	Other SVHC in Candidate list	-	ND	-

**Result of SVHC in the Candidate List**

Batch	Substance Name	CAS No.	003 Concentration (%)	RL (%)
III	Boric acid*	-	see below confirmation test result	0.010
III	Disodium tetraborate, anhydrous*	12179-04-3 /1303-96-4 /1330-43-4	see below confirmation test result	0.010
III	Tetraboron disodium heptaoxide, hydrate*	12267-73-1	see below confirmation test result	0.010
VII	Diboron trioxide*	1303-86-2	see below confirmation test result	0.010
XIX	Disodium octaborate*	12008-41-2	see below confirmation test result	0.010
XIX	Dodecamethylcyclohexasiloxane (D6)	540-97-6	see below confirmation test result	0.100
XXV	Orthoboric acid, sodium salt*	13840-56-7	see below confirmation test result	0.005
-	Other SVHC in Candidate list	-	ND	-

**Confirmation Test Result:**



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Batch	Substance Name	CAS No.	003 - A2+A6+A8+A1 0+A11+A12+A1 3+A17+A24+A2 5 Concentration (%)	RL (%)
III	Boric acid*	-	0.020	0.005
III	Disodium tetraborate, anhydrous*	12179-04-3 /1303-96-4 /1330-43-4	0.016	0.005
III	Tetraboron disodium heptaoxide, hydrate*	12267-73-1	0.016	0.005
VII	Diboron trioxide*	1303-86-2	0.011	0.005
XIX	Disodium octaborate*	12008-41-2	0.014	0.005
XXV	Orthoboric acid, sodium salt*	13840-56-7	0.041	0.005

**Confirmation Test Result:**

Batch	Substance Name	CAS No.	003 - A26+A44+A52+ A53+A54+A56+ A57+A59+A60 Concentration (%)	RL (%)
III	Boric acid*	-	ND	0.005
III	Disodium tetraborate, anhydrous*	12179-04-3 /1303-96-4 /1330-43-4	ND	0.005
III	Tetraboron disodium heptaoxide, hydrate*	12267-73-1	ND	0.005
VII	Diboron trioxide*	1303-86-2	ND	0.005
XIX	Disodium octaborate*	12008-41-2	ND	0.005
XXV	Orthoboric acid, sodium salt*	13840-56-7	ND	0.005

**Confirmation Test Result:**

Batch	Substance Name	CAS No.	003 - A6+A8+A11+A 12+A13+A17+A 44+A57 Concentration (%)	RL (%)
XIX	Dodecamethylcyclhexasiloxane (D6)	540-97-6	ND	0.050

**Confirmation Test Result:**

Batch	Substance Name	CAS No.	003 - A2 Concentration (%)	RL (%)
XIX	Dodecamethylcyclhexasiloxane (D6)	540-97-6	ND	0.050



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**Confirmation Test Result:**

Batch	Substance Name	CAS No.	003 - A10 Concentration (%)	RL (%)
XIX	Dodecamethylcyclhexasiloxane (D6)	540-97-6	ND	0.050

**Confirmation Test Result:**

Batch	Substance Name	CAS No.	003 - A24 Concentration (%)	RL (%)
XIX	Dodecamethylcyclhexasiloxane (D6)	540-97-6	ND	0.050

**Confirmation Test Result:**

Batch	Substance Name	CAS No.	003 - A25 Concentration (%)	RL (%)
XIX	Dodecamethylcyclhexasiloxane (D6)	540-97-6	ND	0.050

**Confirmation Test Result:**

Batch	Substance Name	CAS No.	003 - A26 Concentration (%)	RL (%)
XIX	Dodecamethylcyclhexasiloxane (D6)	540-97-6	ND	0.050

**Confirmation Test Result:**

Batch	Substance Name	CAS No.	003 - A52 Concentration (%)	RL (%)
XIX	Dodecamethylcyclhexasiloxane (D6)	540-97-6	ND	0.050

**Confirmation Test Result:**

Batch	Substance Name	CAS No.	003 - A53 Concentration (%)	RL (%)
XIX	Dodecamethylcyclhexasiloxane (D6)	540-97-6	ND	0.050

**Confirmation Test Result:**

Batch	Substance Name	CAS No.	003 - A54 Concentration (%)	RL (%)
XIX	Dodecamethylcyclhexasiloxane (D6)	540-97-6	ND	0.050

**Confirmation Test Result:**

Batch	Substance Name	CAS No.	003 - A56 Concentration (%)	RL (%)
XIX	Dodecamethylcyclhexasiloxane (D6)	540-97-6	ND	0.050

**Confirmation Test Result:**



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Batch	Substance Name	CAS No.	003 - A59 Concentration (%)	RL (%)
XIX	Dodecamethylcyclhexasiloxane (D6)	540-97-6	ND	0.050

**Confirmation Test Result:**

Batch	Substance Name	CAS No.	003 - A60 Concentration (%)	RL (%)
XIX	Dodecamethylcyclhexasiloxane (D6)	540-97-6	ND	0.050

**Confirmation Test Result:**

Batch	Substance Name	CAS No.	003 - A63 Concentration (%)	RL (%)
III	Boric acid*	-	NA^	0.005
III	Disodium tetraborate, anhydrous*	12179-04-3 /1303-96-4 /1330-43-4	NA^	0.005
III	Tetraboron disodium heptaoxide, hydrate*	12267-73-1	NA^	0.005
VII	Diboron trioxide*	1303-86-2	NA^	0.005
XIX	Disodium octaborate*	12008-41-2	NA^	0.005
XIX	Dodecamethylcyclhexasiloxane (D6)	540-97-6	ND	0.050
XXV	Orthoboric acid, sodium salt*	13840-56-7	NA^	0.005

**Result of SVHC in the Candidate List**

Batch	Substance Name	CAS No.	004 Concentration (%)	RL (%)
III	Boric acid*	-	see below confirmation test result	0.010
III	Disodium tetraborate, anhydrous*	12179-04-3 /1303-96-4 /1330-43-4	see below confirmation test result	0.010
III	Tetraboron disodium heptaoxide, hydrate*	12267-73-1	see below confirmation test result	0.010
VII	Diboron trioxide*	1303-86-2	see below confirmation test result	0.010
XIX	Disodium octaborate*	12008-41-2	see below confirmation test result	0.010
XIX	Dodecamethylcyclhexasiloxane (D6)	540-97-6	see below confirmation test result	0.100



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Batch	Substance Name	CAS No.	004 Concentration (%)	RL (%)
XXV	Orthoboric acid, sodium salt*	13840-56-7	see below confirmation test result	0.005
-	Other SVHC in Candidate list	-	ND	-

**Confirmation Test Result:**

Batch	Substance Name	CAS No.	004 - A61+A66+A67+A70+A71+A72+A73+A74+A75 Concentration (%)	RL (%)
III	Boric acid*	-	ND	0.005
III	Disodium tetraborate, anhydrous*	12179-04-3 /1303-96-4 /1330-43-4	ND	0.005
III	Tetraboron disodium heptaoxide, hydrate*	12267-73-1	ND	0.005
VII	Diboron trioxide*	1303-86-2	ND	0.005
XIX	Disodium octaborate*	12008-41-2	ND	0.005
XXV	Orthoboric acid, sodium salt*	13840-56-7	ND	0.005

**Confirmation Test Result:**

Batch	Substance Name	CAS No.	004 - A77+A78+A79+A80+A83+A84+A89+A105+A111+A112 Concentration (%)	RL (%)
III	Boric acid*	-	ND	0.005
III	Disodium tetraborate, anhydrous*	12179-04-3 /1303-96-4 /1330-43-4	ND	0.005
III	Tetraboron disodium heptaoxide, hydrate*	12267-73-1	ND	0.005
VII	Diboron trioxide*	1303-86-2	ND	0.005
XIX	Disodium octaborate*	12008-41-2	ND	0.005
XXV	Orthoboric acid, sodium salt*	13840-56-7	ND	0.005

**Confirmation Test Result:**



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Batch	Substance Name	CAS No.	004 - A61+A111+A112 Concentration (%)	RL (%)
XIX	Dodecamethylcyclhexasiloxane (D6)	540-97-6	ND	0.050

**Confirmation Test Result:**

Batch	Substance Name	CAS No.	004 - A62 Concentration (%)	RL (%)
III	Boric acid*	-	NA^	0.005
III	Disodium tetraborate, anhydrous*	12179-04-3 /1303-96-4 /1330-43-4	NA^	0.005
III	Tetraboron disodium heptaoxide, hydrate*	12267-73-1	NA^	0.005
VII	Diboron trioxide*	1303-86-2	NA^	0.005
XIX	Disodium octaborate*	12008-41-2	NA^	0.005
XIX	Dodecamethylcyclhexasiloxane (D6)	540-97-6	ND	0.050
XXV	Orthoboric acid, sodium salt*	13840-56-7	NA^	0.005

**Confirmation Test Result:**

Batch	Substance Name	CAS No.	004 - A66 Concentration (%)	RL (%)
XIX	Dodecamethylcyclhexasiloxane (D6)	540-97-6	ND	0.050

**Confirmation Test Result:**

Batch	Substance Name	CAS No.	004 - A67 Concentration (%)	RL (%)
XIX	Dodecamethylcyclhexasiloxane (D6)	540-97-6	ND	0.050

**Confirmation Test Result:**

Batch	Substance Name	CAS No.	004 - A70 Concentration (%)	RL (%)
XIX	Dodecamethylcyclhexasiloxane (D6)	540-97-6	ND	0.050

**Confirmation Test Result:**

Batch	Substance Name	CAS No.	004 - A71 Concentration (%)	RL (%)
XIX	Dodecamethylcyclhexasiloxane (D6)	540-97-6	ND	0.050

**Confirmation Test Result:**



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Batch	Substance Name	CAS No.	004 - A72 Concentration (%)	RL (%)
XIX	Dodecamethylcyclohexasiloxane (D6)	540-97-6	ND	0.050

**Confirmation Test Result:**

Batch	Substance Name	CAS No.	004 - A73 Concentration (%)	RL (%)
XIX	Dodecamethylcyclohexasiloxane (D6)	540-97-6	ND	0.050

**Confirmation Test Result:**

Batch	Substance Name	CAS No.	004 - A74 Concentration (%)	RL (%)
XIX	Dodecamethylcyclohexasiloxane (D6)	540-97-6	ND	0.050

**Confirmation Test Result:**

Batch	Substance Name	CAS No.	004 - A75 Concentration (%)	RL (%)
XIX	Dodecamethylcyclohexasiloxane (D6)	540-97-6	ND	0.050

**Confirmation Test Result:**

Batch	Substance Name	CAS No.	004 - A77 Concentration (%)	RL (%)
XIX	Dodecamethylcyclohexasiloxane (D6)	540-97-6	ND	0.050

**Confirmation Test Result:**

Batch	Substance Name	CAS No.	004 - A78 Concentration (%)	RL (%)
XIX	Dodecamethylcyclohexasiloxane (D6)	540-97-6	ND	0.050

**Confirmation Test Result:**

Batch	Substance Name	CAS No.	004 - A79 Concentration (%)	RL (%)
XIX	Dodecamethylcyclohexasiloxane (D6)	540-97-6	ND	0.050

**Confirmation Test Result:**

Batch	Substance Name	CAS No.	004 - A80 Concentration (%)	RL (%)
XIX	Dodecamethylcyclohexasiloxane (D6)	540-97-6	ND	0.050

**Confirmation Test Result:**



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Batch	Substance Name	CAS No.	004 - A83 Concentration (%)	RL (%)
XIX	Dodecamethylcyclhexasiloxane (D6)	540-97-6	ND	0.050

**Confirmation Test Result:**

Batch	Substance Name	CAS No.	004 - A84 Concentration (%)	RL (%)
XIX	Dodecamethylcyclhexasiloxane (D6)	540-97-6	ND	0.050

**Confirmation Test Result:**

Batch	Substance Name	CAS No.	004 - A89 Concentration (%)	RL (%)
XIX	Dodecamethylcyclhexasiloxane (D6)	540-97-6	ND	0.050

**Confirmation Test Result:**

Batch	Substance Name	CAS No.	004 - A105 Concentration (%)	RL (%)
XIX	Dodecamethylcyclhexasiloxane (D6)	540-97-6	ND	0.050

**Result of SVHC in the Candidate List**

Batch	Substance Name	CAS No.	005 Concentration (%)	RL (%)
III	Boric acid*	-	see below confirmation test result	0.010
III	Disodium tetraborate, anhydrous*	12179-04-3 /1303-96-4 /1330-43-4	see below confirmation test result	0.010
III	Tetraboron disodium heptaoxide, hydrate*	12267-73-1	see below confirmation test result	0.010
VII	Diboron trioxide*	1303-86-2	see below confirmation test result	0.010
XIX	Disodium octaborate*	12008-41-2	see below confirmation test result	0.010
XXV	Orthoboric acid, sodium salt*	13840-56-7	see below confirmation test result	0.005
-	Other SVHC in Candidate list	-	ND	-

**Confirmation Test Result:**



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Batch	Substance Name	CAS No.	005 - A19+A34+A41+ A68+A69+A76+ A82+A85 Concentration (%)	RL (%)
III	Boric acid*	-	ND	0.005
III	Disodium tetraborate, anhydrous*	12179-04-3 /1303-96-4 /1330-43-4	ND	0.005
III	Tetraboron disodium heptaoxide, hydrate*	12267-73-1	ND	0.005
VII	Diboron trioxide*	1303-86-2	ND	0.005
XIX	Disodium octaborate*	12008-41-2	ND	0.005
XXV	Orthoboric acid, sodium salt*	13840-56-7	ND	0.005

**Confirmation Test Result:**

Batch	Substance Name	CAS No.	005 - A86+A87+A113 +A114+A115+A 118+A122+A12 3 Concentration (%)	RL (%)
III	Boric acid*	-	ND	0.005
III	Disodium tetraborate, anhydrous*	12179-04-3 /1303-96-4 /1330-43-4	ND	0.005
III	Tetraboron disodium heptaoxide, hydrate*	12267-73-1	ND	0.005
VII	Diboron trioxide*	1303-86-2	ND	0.005
XIX	Disodium octaborate*	12008-41-2	ND	0.005
XXV	Orthoboric acid, sodium salt*	13840-56-7	ND	0.005

**Confirmation Test Result:**

Batch	Substance Name	CAS No.	005 - A119 Concentration (%)	RL (%)
III	Boric acid*	-	NA^	0.005
III	Disodium tetraborate, anhydrous*	12179-04-3 /1303-96-4 /1330-43-4	NA^	0.005
III	Tetraboron disodium heptaoxide, hydrate*	12267-73-1	NA^	0.005
VII	Diboron trioxide*	1303-86-2	NA^	0.005
XIX	Disodium octaborate*	12008-41-2	NA^	0.005
XXV	Orthoboric acid, sodium salt*	13840-56-7	NA^	0.005

**Confirmation Test Result:**



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Batch	Substance Name	CAS No.	005 - A120 Concentration (%)	RL (%)
III	Boric acid*	-	NA^	0.005
III	Disodium tetraborate, anhydrous*	12179-04-3 /1303-96-4 /1330-43-4	NA^	0.005
III	Tetraboron disodium heptaoxide, hydrate*	12267-73-1	NA^	0.005
VII	Diboron trioxide*	1303-86-2	NA^	0.005
XIX	Disodium octaborate*	12008-41-2	NA^	0.005
XXV	Orthoboric acid, sodium salt*	13840-56-7	NA^	0.005

**Result of SVHC in the Candidate List**

Batch	Substance Name	CAS No.	006 Concentration (%)	RL (%)
XIX	Dodecamethylcyclhexasiloxane (D6)	540-97-6	see below confirmation test result	0.100
-	Other SVHC in Candidate list	-	ND	-

**Confirmation Test Result:**

Batch	Substance Name	CAS No.	006 - A3+A4+A106+ A108 Concentration (%)	RL (%)
XIX	Dodecamethylcyclhexasiloxane (D6)	540-97-6	ND	0.050

**Confirmation Test Result:**

Batch	Substance Name	CAS No.	006 - A5 Concentration (%)	RL (%)
XIX	Dodecamethylcyclhexasiloxane (D6)	540-97-6	ND	0.050

**Confirmation Test Result:**

Batch	Substance Name	CAS No.	006 - A14 Concentration (%)	RL (%)
XIX	Dodecamethylcyclhexasiloxane (D6)	540-97-6	ND	0.050

**Confirmation Test Result:**

Batch	Substance Name	CAS No.	006 - A15 Concentration (%)	RL (%)
XIX	Dodecamethylcyclhexasiloxane (D6)	540-97-6	ND	0.050

**Confirmation Test Result:**



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Batch	Substance Name	CAS No.	006 - A22 Concentration (%)	RL (%)
XIX	Dodecamethylcyclohexasiloxane (D6)	540-97-6	ND	0.050

**Confirmation Test Result:**

Batch	Substance Name	CAS No.	006 - A33 Concentration (%)	RL (%)
XIX	Dodecamethylcyclohexasiloxane (D6)	540-97-6	ND	0.050

**Confirmation Test Result:**

Batch	Substance Name	CAS No.	006 - A58 Concentration (%)	RL (%)
XIX	Dodecamethylcyclohexasiloxane (D6)	540-97-6	ND	0.050

**Confirmation Test Result:**

Batch	Substance Name	CAS No.	006 - A107 Concentration (%)	RL (%)
XIX	Dodecamethylcyclohexasiloxane (D6)	540-97-6	ND	0.050

**Confirmation Test Result:**

Batch	Substance Name	CAS No.	006 - A124 Concentration (%)	RL (%)
XIX	Dodecamethylcyclohexasiloxane (D6)	540-97-6	ND	0.050

**Result of SVHC in the Candidate List**

Batch	Substance Name	CAS No.	007 Concentration (%)	RL (%)
XXII	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	see below confirmation test result	0.100
-	Other SVHC in Candidate list	-	ND	-

**Confirmation Test Result:**

Batch	Substance Name	CAS No.	007 - A21+A23+A31+ A64+A121 Concentration (%)	RL (%)
XXII	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	ND	0.050

**Confirmation Test Result:**



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Batch	Substance Name	CAS No.	007 - A18 Concentration (%)	RL (%)
XXII	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	ND	0.050

**Confirmation Test Result:**

Batch	Substance Name	CAS No.	007 - A20 Concentration (%)	RL (%)
XXII	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	ND	0.050

**Confirmation Test Result:**

Batch	Substance Name	CAS No.	007 - A38 Concentration (%)	RL (%)
XXII	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	ND	0.050

**Confirmation Test Result:**

Batch	Substance Name	CAS No.	007 - A42 Concentration (%)	RL (%)
XXII	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	ND	0.050

**Confirmation Test Result:**

Batch	Substance Name	CAS No.	007 - A43 Concentration (%)	RL (%)
XXII	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	ND	0.050

**Confirmation Test Result:**

Batch	Substance Name	CAS No.	007 - A55 Concentration (%)	RL (%)
XXII	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	ND	0.050

**Confirmation Test Result:**

Batch	Substance Name	CAS No.	007 - A88 Concentration (%)	RL (%)
XXII	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	ND	0.050

**Result of SVHC in the Candidate List**



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Batch	Substance Name	CAS No.	008 Concentration (%)	RL (%)
III	Boric acid*	-	0.092	0.010
III	Disodium tetraborate, anhydrous*	12179-04-3 /1303-96-4 /1330-43-4	0.075	0.010
III	Tetraboron disodium heptaoxide, hydrate*	12267-73-1	0.075	0.010
VII	Diboron trioxide*	1303-86-2	0.052	0.010
XIX	Disodium octaborate*	12008-41-2	0.063	0.010
XXV	Orthoboric acid, sodium salt*	13840-56-7	NA^	0.005
-	Other SVHC in Candidate list	-	ND	-

**Result of SVHC in the Candidate List**

Batch	Substance Name	CAS No.	009 Concentration (%)	RL (%)
XIX	Lead	7439-92-1	see below confirmation test result	0.010

**Confirmation Test Result:**

Batch	Substance Name	CAS No.	009 - A36 Concentration (%)	RL (%)
XIX	Lead	7439-92-1	ND	0.005

**Confirmation Test Result:**

Batch	Substance Name	CAS No.	009 - A37 Concentration (%)	RL (%)
XIX	Lead	7439-92-1	ND	0.005

**Confirmation Test Result:**

Batch	Substance Name	CAS No.	009 - A39 Concentration (%)	RL (%)
XIX	Lead	7439-92-1	ND	0.005

**Confirmation Test Result:**

Batch	Substance Name	CAS No.	009 - A40 Concentration (%)	RL (%)
XIX	Lead	7439-92-1	0.454	0.005

**Confirmation Test Result:**



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Batch	Substance Name	CAS No.	009 - A126 Concentration (%)	RL (%)
XIX	Lead	7439-92-1	ND	0.005

**Result of SVHC in the Candidate List**

Batch	Substance Name	CAS No.	010 Concentration (%)	RL (%)
-	All SVHC in Candidate list	-	ND	-

**Result of SVHC in the Candidate List**

Batch	Substance Name	CAS No.	011 Concentration (%)	RL (%)
I	Cobalt dichloride*	7646-79-9	NA^	0.010
III	Boric acid*	-	NA^	0.010
III	Disodium tetraborate, anhydrous*	12179-04-3 /1303-96-4 /1330-43-4	NA^	0.010
III	Tetraboron disodium heptaoxide, hydrate*	12267-73-1	NA^	0.010
IV	Cobalt(II) carbonate*	513-79-1	NA^	0.010
IV	Cobalt(II) diacetate*	71-48-7	NA^	0.010
IV	Cobalt(II) dinitrate*	10141-05-6	NA^	0.010
IV	Cobalt(II) sulphate*	10124-43-3	NA^	0.010
VII	Diboron trioxide*	1303-86-2	0.069	0.010
XIX	Disodium octaborate*	12008-41-2	0.085	0.010
XXV	Orthoboric acid, sodium salt*	13840-56-7	NA^	0.005
-	Other SVHC in Candidate list	-	ND	-

**Result of SVHC in the Candidate List**

Batch	Substance Name	CAS No.	012 Concentration (%)	RL (%)
-	All SVHC in Candidate list	-	ND	-

**Notes:**

- (1) The table above only shows detected SVHC, and SVHC that below RL are not reported. Please refer to Appendix for the full list of tested SVHC.
- (2) RL = Reporting Limit (Test data will be shown if it ≥ RL. RL is not regulatory limit.)  
ND = Not detected (lower than RL), ND is denoted on the SVHC substance.
- (3) \* The result is based on the calculation of selected element(s) under the worst-case scenario, and the evaluation of substance usage and material properties.

\*\* The result is based on the calculation of selected marker(s) and to the worst-case scenario.

Calculated concentration of boric compounds are based on water extractive boron detected by ICP-OES.

Calculated concentration of Barium diboron tetraoxide is based on water extractive boron and barium detected by ICP-OES.



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RL = 0.01% is evaluated for element (i.e. cobalt, arsenic, lead, chromium, chromium (VI), aluminum, zirconium, boron, strontium, zinc, antimony, titanium, barium and cadmium respectively), except molybdenum RL=0.001%, boron RL=0.005% (only for Lead bis(tetrafluoroborate), Orthoboric acid, sodium salt, Barium diboron tetraoxide), chromium (VI) RL=0.005% (only for Pentazinc chromate octahydroxide), fluorine RL=0.060%.

- (4) § The substance is proposed for the identification as SVHC only where it contains Michler's ketone (CAS Number: 90-94-8) or Michler's base (CAS Number: 101-61-1)  $\geq 0.1\%$  (w/w).
- (5) Composite test has been performed in equal proportion for the components/material per client requested. And the result is calculated using the minimum sample weight.
- (6) In consideration of the analysis requirement and the limit of sample volume, the screening test for the article is based on components / material enough to test.
- (7) NA^ = Upon further test verification on the specific detected element(s) or characteristic of SVHC and also information provided from client, the possibility that the element(s) content or characteristic originate from SVHC is very unlikely, even though their presence cannot be excluded entirely. It may be assumed that the detected element(s) or characteristic have a non-SVHC source.

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.



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Guangzhou Branch Technical Services Laboratory

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**Appendix**

**Full list of tested SVHC:**

Batch	No.	Substance Name	CAS No.	RL (%)
I	1	4,4'-Diaminodiphenylmethane(MDA)	101-77-9	0.100
I	2	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	0.100
I	3	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	0.100
I	4	Anthracene	120-12-7	0.100
I	5	Benzyl butyl phthalate (BBP)	85-68-7	0.100
I	6	Bis(2-ethylhexyl)phthalate (DEHP)	117-81-7	0.100
I	7	Bis(tributyltin)oxide (TBTO)	56-35-9	0.100
I	8	Cobalt dichloride*	7646-79-9	0.010
I	9	Diarsenic pentaoxide*	1303-28-2	0.010
I	10	Diarsenic trioxide*	1327-53-3	0.010
I	11	Dibutyl phthalate (DBP)	84-74-2	0.100
I	12	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified ( $\alpha$ -HBCDD, $\beta$ -HBCDD, $\gamma$ -HBCDD)	-	0.100
I	13	Lead hydrogen arsenate*	7784-40-9	0.010
I	14	Sodium dichromate*	10588-01-9 /7789-12-0	0.010
I	15	Triethyl arsenate*	15606-95-8	0.010
II	16	2,4-Dinitrotoluene	121-14-2	0.100
II	17	Anthracene oil**	90640-80-5	0.100
II	18	Anthracene oil, anthracene paste**	90640-81-6	0.100
II	19	Anthracene oil, anthracene paste, anthracene fraction**	91995-15-2	0.100
II	20	Anthracene oil, anthracene paste, distn. Lights**	91995-17-4	0.100
II	21	Anthracene oil, anthracene-low**	90640-82-7	0.100
II	22	Diisobutyl phthalate	84-69-5	0.100
II	23	Lead chromate*	7758-97-6	0.010
II	24	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)*	12656-85-8	0.010
II	25	Lead sulfochromate yellow (C.I. Pigment Yellow 34)*	1344-37-2	0.010
II	26	Pitch, coal tar, high temp. **	65996-93-2	0.100
II	27	Tris(2-chloroethyl)phosphate	115-96-8	0.100
II	28	Acrylamide	79-06-1	0.100
III	29	Ammonium dichromate*	7789-09-5	0.010
III	30	Boric acid*	-	0.005
III	31	Disodium tetraborate, anhydrous*	12179-04-3 /1303-96-4 /1330-43-4	0.005
III	32	Potassium chromate*	7789-00-6	0.010
III	33	Potassium dichromate*	7778-50-9	0.010
III	34	Sodium chromate*	7775-11-3	0.010
III	35	Tetraboron disodium heptaoxide, hydrate*	12267-73-1	0.005



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Batch	No.	Substance Name	CAS No.	RL (%)
III	36	Trichloroethylene	79-01-6	0.100
IV	37	2-Ethoxyethanol	110-80-5	0.100
IV	38	2-Methoxyethanol	109-86-4	0.100
IV	39	Chromic acid, Oligomers of chromic acid and dichromic acid, Dichromic acid*	-	0.010
IV	40	Chromium trioxide*	1333-82-0	0.010
IV	41	Cobalt(II) carbonate*	513-79-1	0.010
IV	42	Cobalt(II) diacetate*	71-48-7	0.010
IV	43	Cobalt(II) dinitrate*	10141-05-6	0.010
IV	44	Cobalt(II) sulphate*	10124-43-3	0.010
V	45	1,2,3-trichloropropane	96-18-4	0.100
V	46	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	0.100
V	47	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	0.100
V	48	1-methyl-2-pyrrolidone	872-50-4	0.100
V	49	2-ethoxyethyl acetate	111-15-9	0.100
V	50	Hydrazine	302-01-2 /7803-57-8	0.100
V	51	strontium chromate*	7789-06-2	0.010
VI	52	1,2-Dichloroethane	107-06-2	0.100
VI	53	2,2'-dichloro-4,4'-methylenedianiline	101-14-4	0.100
VI	54	2-Methoxyaniline; o-Anisidine	90-04-0	0.100
VI	55	4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	0.100
VI	56	Aluminosilicate Refractory Ceramic Fibres*	-	0.010
VI	57	Arsenic acid*	7778-39-4	0.010
VI	58	Bis(2-methoxyethyl) ether	111-96-6	0.100
VI	59	Bis(2-methoxyethyl) phthalate	117-82-8	0.100
VI	60	Calcium arsenate*	7778-44-1	0.010
VI	61	Dichromium tris(chromate)*	24613-89-6	0.010
VI	62	Formaldehyde, oligomeric reaction products with aniline	25214-70-4	0.100
VI	63	Lead diazide, Lead azide*	13424-46-9	0.010
VI	64	Lead dipicrate*	6477-64-1	0.010
VI	65	Lead styphnate*	15245-44-0	0.010
VI	66	N,N-dimethylacetamide	127-19-5	0.100
VI	67	Pentazinc chromate octahydroxide*	49663-84-5	0.010
VI	68	Phenolphthalein	77-09-8	0.100
VI	69	Potassium hydroxyoctaoxodizincatedichromate*	11103-86-9	0.010
VI	70	Trilead diarsenate*	3687-31-8	0.010
VI	71	Zirconia Aluminosilicate Refractory Ceramic Fibres*	-	0.010
VII	72	[4-[[4-anilino-1-naphthyl]]4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26)§	2580-56-5	0.100



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Batch	No.	Substance Name	CAS No.	RL (%)
VII	73	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) §	548-62-9	0.100
VII	74	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	0.100
VII	75	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	0.100
VII	76	4,4'-bis(dimethylamino) benzophenone (Michler's Ketone)	90-94-8	0.100
VII	77	4,4'-bis(dimethylamino)-4'-(methylamino)trityl alcohol§	561-41-1	0.100
VII	78	Diboron trioxide*	1303-86-2	0.005
VII	79	Formamide	75-12-7	0.100
VII	80	Lead(II) bis(methanesulfonate)*	17570-76-2	0.010
VII	81	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	0.100
VII	82	TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione)	2451-62-9	0.100
VII	83	α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) §	6786-83-0	0.100
VII	84	β-TGIC (1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)	59653-74-6	0.100
VIII	85	[Phthalato(2-)]dioxotrilead*	69011-06-9	0.010
VIII	86	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	0.100
VIII	87	1,2-Diethoxyethane	629-14-1	0.100
VIII	88	1-Bromopropane	106-94-5	0.100
VIII	89	3-Ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	0.100
VIII	90	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated	-	0.100
VIII	91	4,4'-Methylenedi-o-toluidine	838-88-0	0.100
VIII	92	4,4'-Oxydianiline and its salts	101-80-4	0.100
VIII	93	4-Aminoazobenzene	60-09-3	0.100
VIII	94	4-Methyl-m-phenylenediamine	95-80-7	0.100
VIII	95	4-Nonylphenol, branched and linear	-	0.100
VIII	96	6-Methoxy-m-toluidine	120-71-8	0.100
VIII	97	Acetic acid, lead salt, basic*	51404-69-4	0.010
VIII	98	Biphenyl-4-ylamine	92-67-1	0.100
VIII	99	Decabromodiphenyl ether (DecaBDE)	1163-19-5	0.100
VIII	100	Cyclohexane-1,2-dicarboxylic anhydride, cis-cyclohexane-1,2-dicarboxylic anhydride, trans-cyclohexane-1,2-dicarboxylic anhydride	-	0.100
VIII	101	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	0.100



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Batch	No.	Substance Name	CAS No.	RL (%)
VIII	102	Dibutyltin dichloride (DBTC)	683-18-1	0.100
VIII	103	Diethyl sulphate	64-67-5	0.100
VIII	104	Diisopentylphthalate	605-50-5	0.100
VIII	105	Dimethyl sulphate	77-78-1	0.100
VIII	106	Dinoseb	88-85-7	0.100
VIII	107	Dioxobis(stearato)trilead*	12578-12-0	0.010
VIII	108	Fatty acids, C16-18, lead salts*	91031-62-8	0.010
VIII	109	Furan	110-00-9	0.100
VIII	110	Henicosafuoroundecanoic acid	2058-94-8	0.100
VIII	111	Heptacosafuorotetradecanoic acid	376-06-7	0.100
VIII	112	Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride	-	0.100
VIII	113	Lead bis(tetrafluoroborate)*	13814-96-5	0.010
VIII	114	Lead cyanamidate*	20837-86-9	0.010
VIII	115	Lead dinitrate*	10099-74-8	0.010
VIII	116	Lead monoxide*	1317-36-8	0.010
VIII	117	Lead oxide sulfate*	12036-76-9	0.010
VIII	118	Lead tetroxide (orange lead)*	1314-41-6	0.010
VIII	119	Lead titanium trioxide*	12060-00-3	0.010
VIII	120	Lead titanium zirconium oxide*	12626-81-2	0.010
VIII	121	Methoxyacetic acid	625-45-6	0.100
VIII	122	Methyloxirane (Propylene oxide)	75-56-9	0.100
VIII	123	N,N-Dimethylformamide	68-12-2	0.100
VIII	124	N-Methylacetamide	79-16-3	0.100
VIII	125	N-Pentyl-isopentylphthalate	776297-69-9	0.100
VIII	126	o-Aminoazotoluene	97-56-3	0.100
VIII	127	o-Toluidine	95-53-4	0.100
VIII	128	Pentacosafuorotridecanoic acid	72629-94-8	0.100
VIII	129	Pentalead tetraoxide sulphate*	12065-90-6	0.010
VIII	130	Pyrochlore, antimony lead yellow*	8012-00-8	0.010
VIII	131	Silicic acid, barium salt, lead-doped*	68784-75-8	0.010
VIII	132	Silicic acid, lead salt*	11120-22-2	0.010
VIII	133	Sulfurous acid, lead salt, dibasic*	62229-08-7	0.010
VIII	134	Tetraethyllead*	78-00-2	0.010
VIII	135	Tetralead trioxide sulphate*	12202-17-4	0.010
VIII	136	Tricosafuorododecanoic acid	307-55-1	0.100
VIII	137	Trilead bis(carbonate)dihydroxide (basic lead carbonate)*	1319-46-6	0.010
VIII	138	Trilead dioxide phosphonate*	12141-20-7	0.010
IX	139	4-Nonylphenol, branched and linear, ethoxylated	-	0.100
IX	140	Ammonium pentadecafluorooctanoate (APFO)**	3825-26-1	0.100
IX	141	Cadmium oxide*	1306-19-0	0.010
IX	142	Cadmium	7440-43-9	0.010



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Batch	No.	Substance Name	CAS No.	RL (%)
IX	143	Dipentyl phthalate (DPP)	131-18-0	0.100
IX	144	Pentadecafluorooctanoic acid (PFOA)	335-67-1	0.100
X	145	Cadmium sulphide*	1306-23-6	0.010
X	146	Dihexyl phthalate	84-75-3	0.100
X	147	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	0.100
X	148	Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38)	1937-37-7	0.100
X	149	Imidazolidine-2-thione; (2-imidazoline-2-thiol)	96-45-7	0.100
X	150	Lead di(acetate)*	301-04-2	0.010
X	151	Trixylyl phosphate	25155-23-1	0.100
XI	152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	0.100
XI	153	Cadmium chloride*	10108-64-2	0.010
XI	154	Sodium perborate; perboric acid, sodium salt*	-	0.010
XI	155	Sodium peroxometaborate*	7632-04-4	0.010
XII	156	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	0.100
XII	157	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	0.100
XII	158	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	0.100
XII	159	Cadmium fluoride*	7790-79-6	0.010
XII	160	Cadmium sulphate*	10124-36-4 /31119-53-6	0.010
XII	161	Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate & 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE & MOTE)	-	0.100
XIII	162	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate	-	0.100
XIII	163	5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] [covering any of the individual isomers of [1] and [2] or any combination thereof]	-	0.100
XIV	164	1,3-propanesultone	1120-71-4	0.100
XIV	165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	0.100



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Batch	No.	Substance Name	CAS No.	RL (%)
XIV	166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl) phenol (UV-350)	36437-37-3	0.100
XIV	167	Nitrobenzene	98-95-3	0.100
XIV	168	Perfluorononan-1-oic-acid and its sodium and ammonium salts	-	0.100
XV	169	Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8	0.100
XVI	170	4,4'-isopropylidenediphenol (bisphenol A)	80-05-7	0.100
XVI	171	4-Heptylphenol, branched and linear	-	0.100
XVI	172	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	-	0.100
XVI	173	p-(1,1-dimethylpropyl)phenol	80-46-6	0.100
XVII	174	Perfluorohexane-1-sulphonic acid and its salts	-	0.100
XVIII	175	1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus"™) [covering any of its individual anti- and syn-isomers or any combination thereof]	-	0.100
XVIII	176	Benz[a]anthracene	56-55-3	0.100
XVIII	177	Cadmium nitrate*	10325-94-7	0.010
XVIII	178	Cadmium carbonate*	513-78-0	0.010
XVIII	179	Cadmium hydroxide*	21041-95-2	0.010
XVIII	180	Chrysene	218-01-9	0.100
XVIII	181	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) [with ≥0.1% w/w 4-heptylphenol, branched and linear]	-	0.100
XIX	182	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride) (TMA)	552-30-7	0.100
XIX	183	Benzo[ghi]perylene	191-24-2	0.100
XIX	184	Decamethylcyclopentasiloxane (D5)	541-02-6	0.100
XIX	185	Dicyclohexyl phthalate (DCHP)	84-61-7	0.100
XIX	186	Disodium octaborate*	12008-41-2	0.005
XIX	187	Dodecamethylcyclohexasiloxane (D6)	540-97-6	0.050
XIX	188	Ethylenediamine (EDA)	107-15-3	0.100
XIX	189	Lead	7439-92-1	0.005
XIX	190	Octamethylcyclotetrasiloxane (D4)	556-67-2	0.100
XIX	191	Terphenyl, hydrogenated	61788-32-7	0.100
XX	192	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one (3-benzylidene camphor)	15087-24-8	0.100
XX	193	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	0.100
XX	194	Benzo[k]fluoranthene	207-08-9	0.100
XX	195	Fluoranthene	206-44-0	0.100
XX	196	Phenanthrene	85-01-8	0.100
XX	197	Pyrene	129-00-0	0.100
XXI	198	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts	-	0.100



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		and its acyl halides (covering any of their individual isomers and combinations thereof)		
XXI	199	2-methoxyethyl acetate	110-49-6	0.100
XXI	200	4-tert-butylphenol (PTBP)	98-54-4	0.100
XXI	201	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP)	-	0.100
XXII	202	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1	0.100
XXII	203	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	0.050
XXII	204	Diisohexyl phthalate	71850-09-4	0.100
XXII	205	Perfluorobutane sulfonic acid (PFBS) and its salts	-	0.100
XXIII	206	1-vinylimidazole	1072-63-5	0.100
XXIII	207	2-methylimidazole	693-98-1	0.100
XXIII	208	Butyl 4-hydroxybenzoate	94-26-8	0.100
XXIII	209	Dibutylbis(pentane-2,4-dionato-O,O')tin**	22673-19-4	0.100
XXIV	210	bis(2-(2-methoxyethoxy)ethyl) ether	143-24-8	0.100
XXIV	211	Diocetyl tin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety**	-	0.100
XXV	212	1,4-Dioxane	123-91-1	0.100
XXV	213	2,2-bis(bromomethyl)propane 1,3-diol (BMP); 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA); 2,3-dibromo-1-propanol (2,3-DBPA)	-	0.100
XXV	214	2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers	-	0.100
XXV	215	4,4'-(1-methylpropylidene)bisphenol; (bisphenol B)	77-40-7	0.100
XXV	216	Glutaral	111-30-8	0.100
XXV	217	Medium-chain chlorinated paraffins (MCCP) [UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17]	-	0.100
XXV	218	Orthoboric acid, sodium salt*	13840-56-7	0.005
XXV	219	Phenol, alkylation products (mainly in para position) with C12-rich branched or linear alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)	-	0.100
XXVI	220	(±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC)	-	0.100



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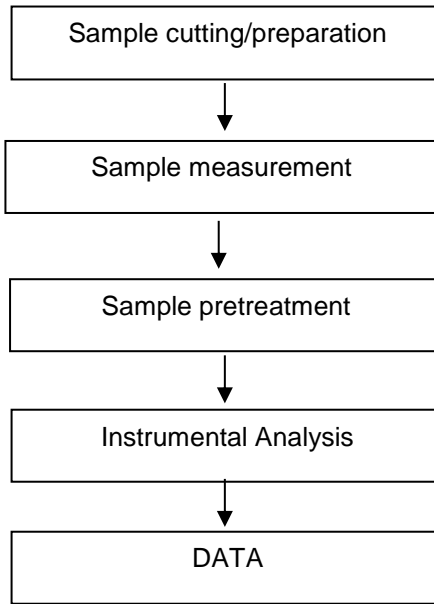
Batch	No.	Substance Name	CAS No.	RL (%)
XXVI	221	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol (DBMC)	119-47-1	0.100
XXVI	222	S-(tricyclo[5.2.1.0'2,6]deca-3-en-8(or 9)-yl) O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate	255881-94-8	0.100
XXVI	223	Tris(2-methoxyethoxy)vinylsilane	1067-53-4	0.100
XXVII	224	N-(hydroxymethyl)acrylamide	924-42-5	0.100
XXVIII	225	1,1'-[ethane-1,2-diylbisoxyl]bis[2,4,6-tribromobenzene]	37853-59-1	0.100
XXVIII	226	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol	79-94-7	0.100
XXVIII	227	4,4'-sulphonyldiphenol	80-09-1	0.100
XXVIII	228	Barium diboron tetraoxide*	13701-59-2	0.005
XXVIII	229	Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof	-	0.100
XXVIII	230	Isobutyl 4-hydroxybenzoate	4247-02-3	0.100
XXVIII	231	Melamine	108-78-1	0.100
XXVIII	232	Perfluoroheptanoic acid and its salts	-	0.100
XXVIII	233	reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)morpholine*	-	0.060
XXIX	234	Bis(4-chlorophenyl) sulphone	80-07-9	0.100
XXIX	235	Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	75980-60-8	0.100
XXX	236	2,4,6-tri-tert-butylphenol	732-26-3	0.100
XXX	237	2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-329)	3147-75-9	0.100
XXX	238	2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one	119344-86-4	0.100
XXX	239	Bumetrizole (UV-326)	3896-11-5	0.100
XXX	240	Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol	-	0.100
XXXI	241	Bis(α,α-dimethylbenzyl) peroxide	80-43-3	0.100
XXXI	242	Triphenyl phosphate	115-86-6	0.100
XXXII	243	6-[(C10-C13)-alkyl-(branched, unsaturated)-2,5-dioxopyrrolidin-1-yl]hexanoic acid	2156592-54-8	0.100
XXXII	244	O,O,O-triphenyl phosphorothioate	597-82-0	0.100
XXXII	245	Octamethyltrisiloxane	107-51-7	0.100
XXXII	246	Perfluamine	338-83-0	0.100
XXXII	247	Reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives	192268-65-8	0.100



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ATTACHMENTS

### Testing Flow Chart



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**Sample photos:**





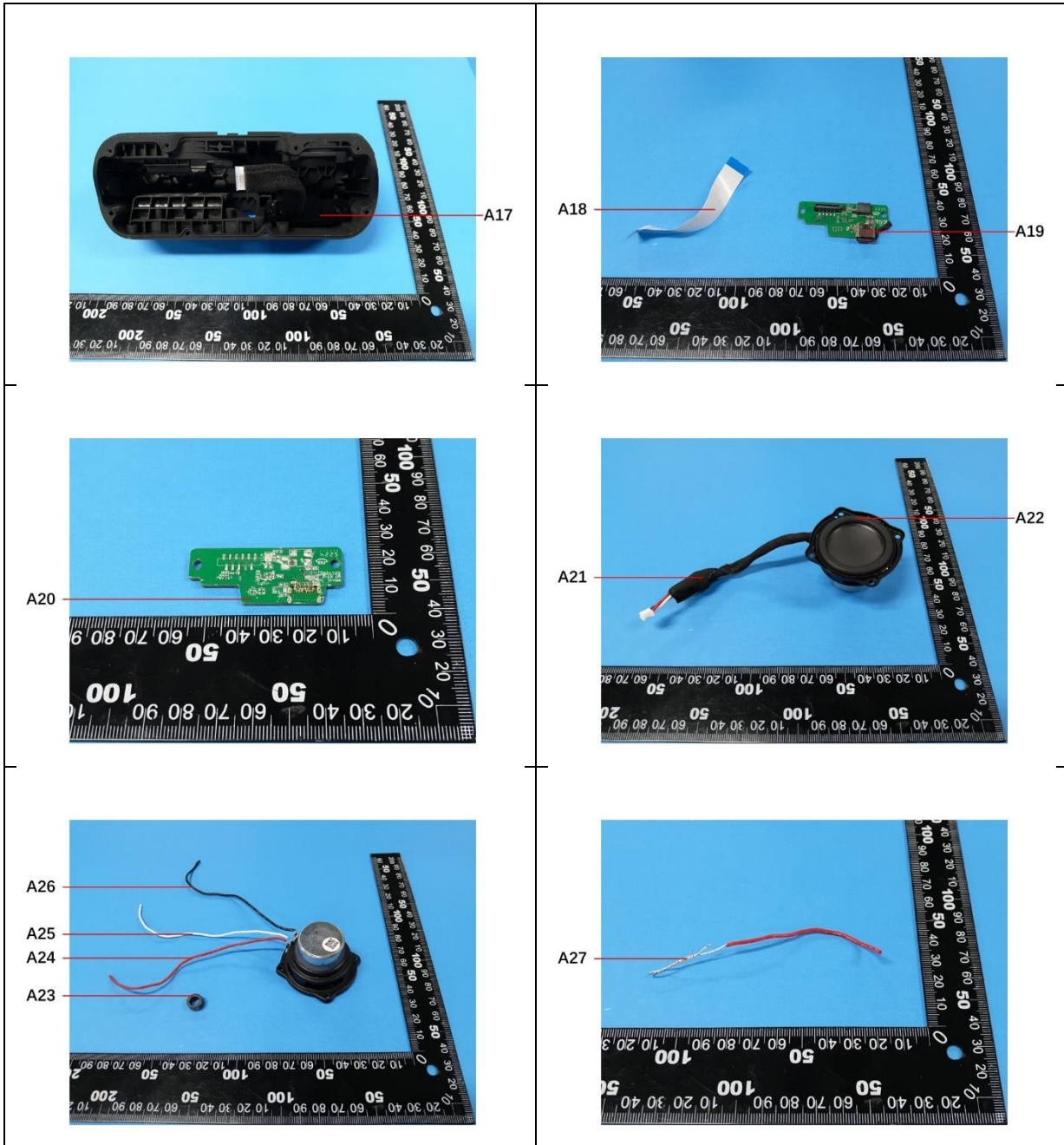
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Guangzhou Branch Technical Laboratory

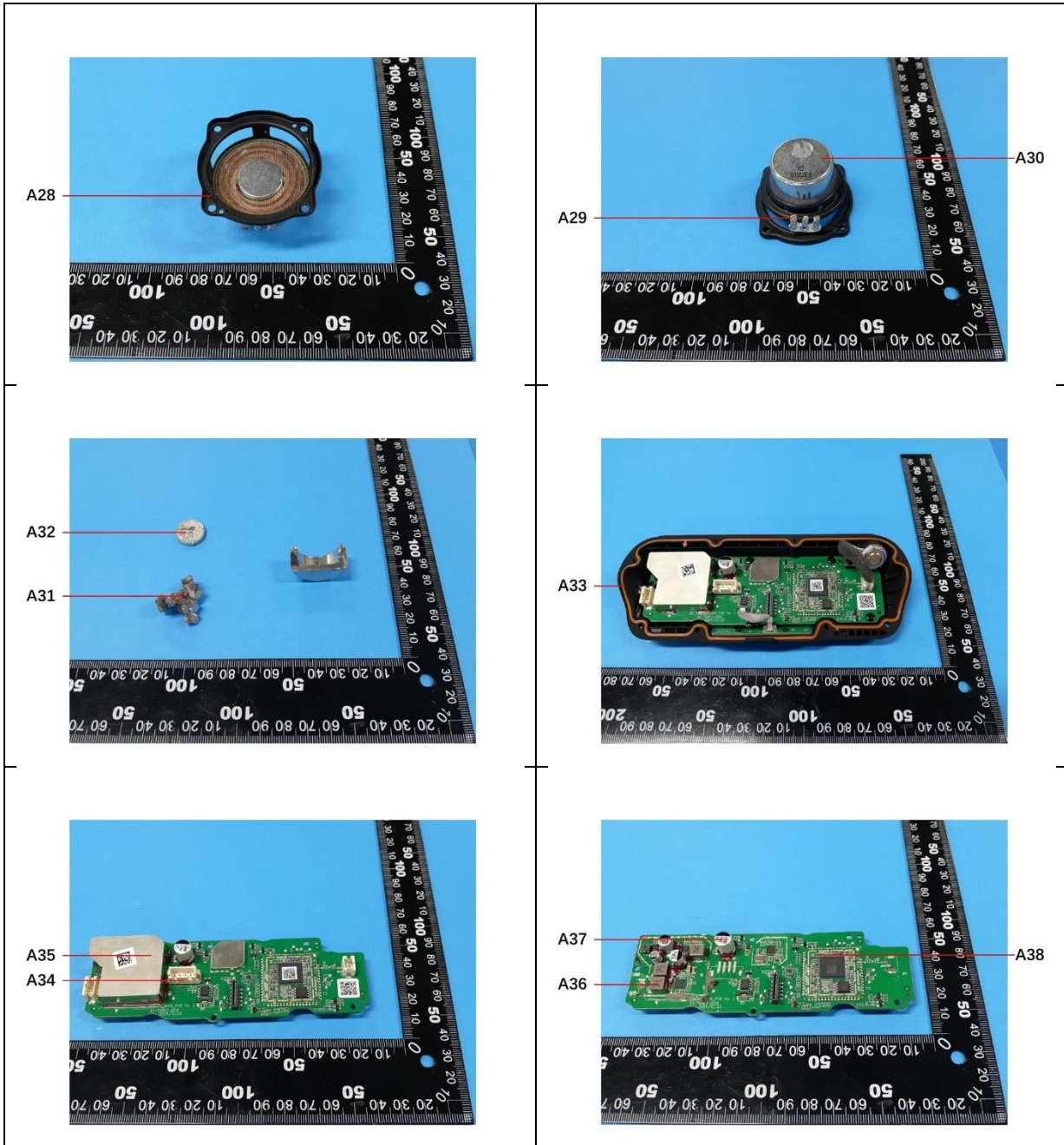
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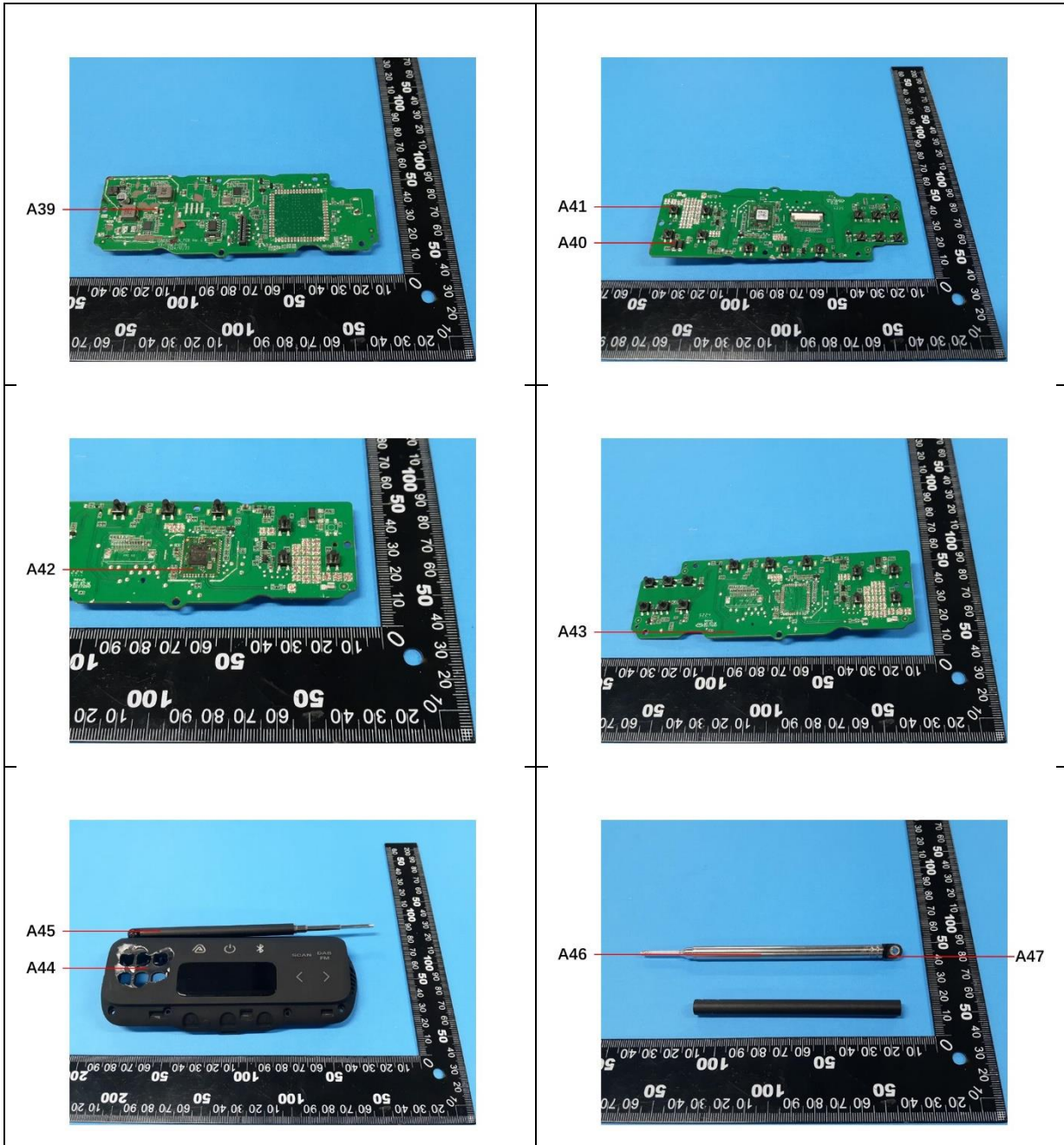
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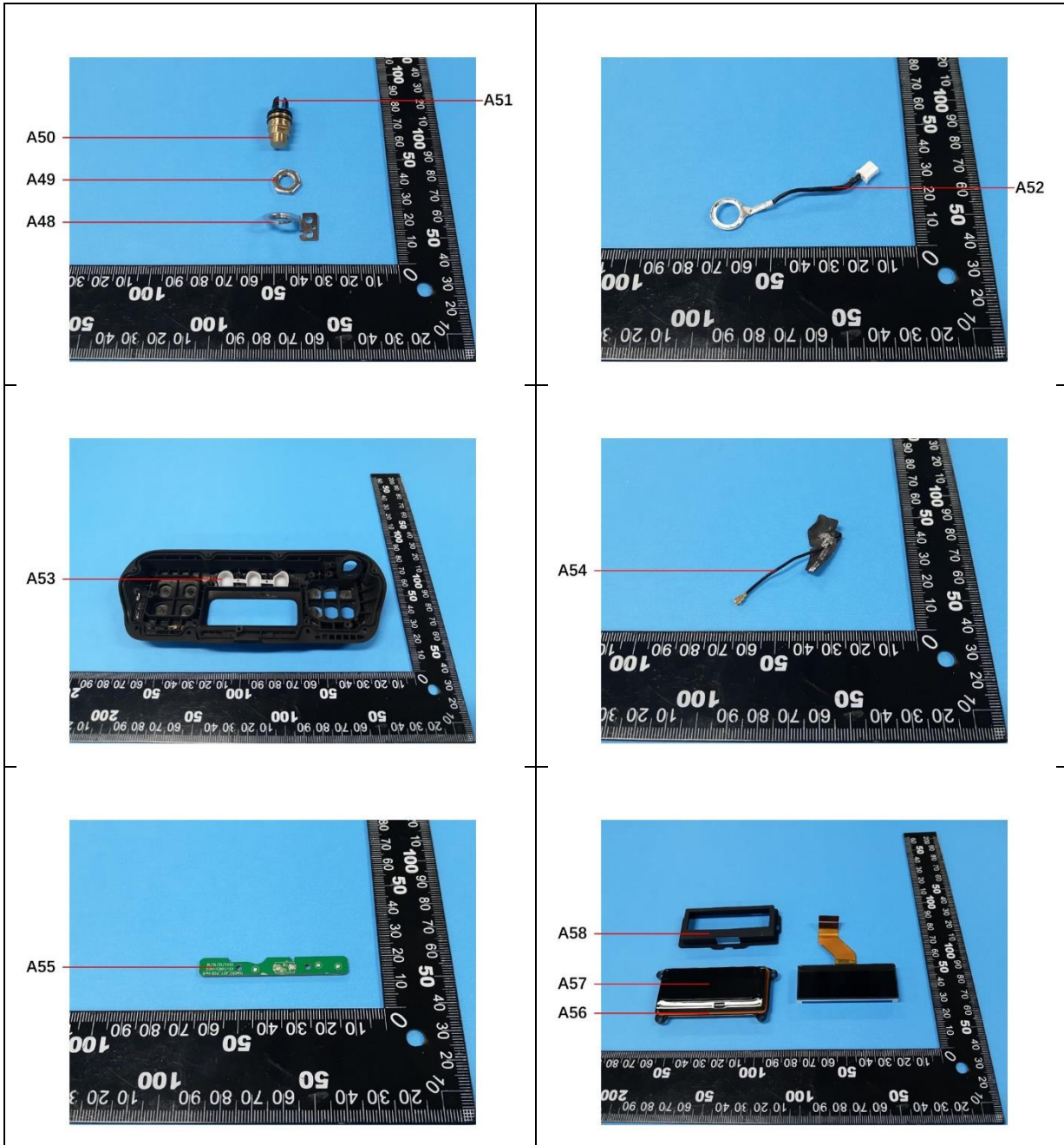


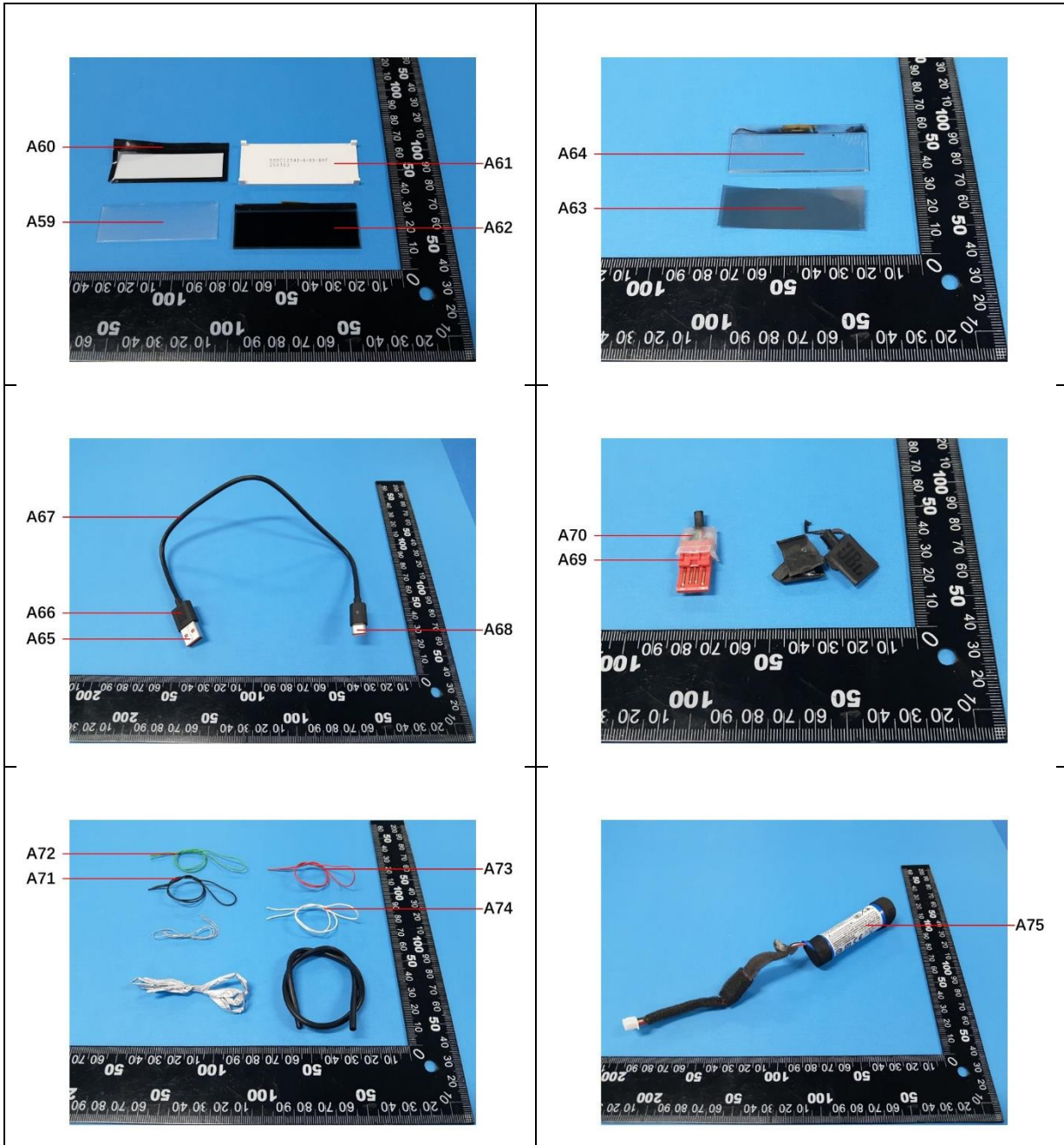


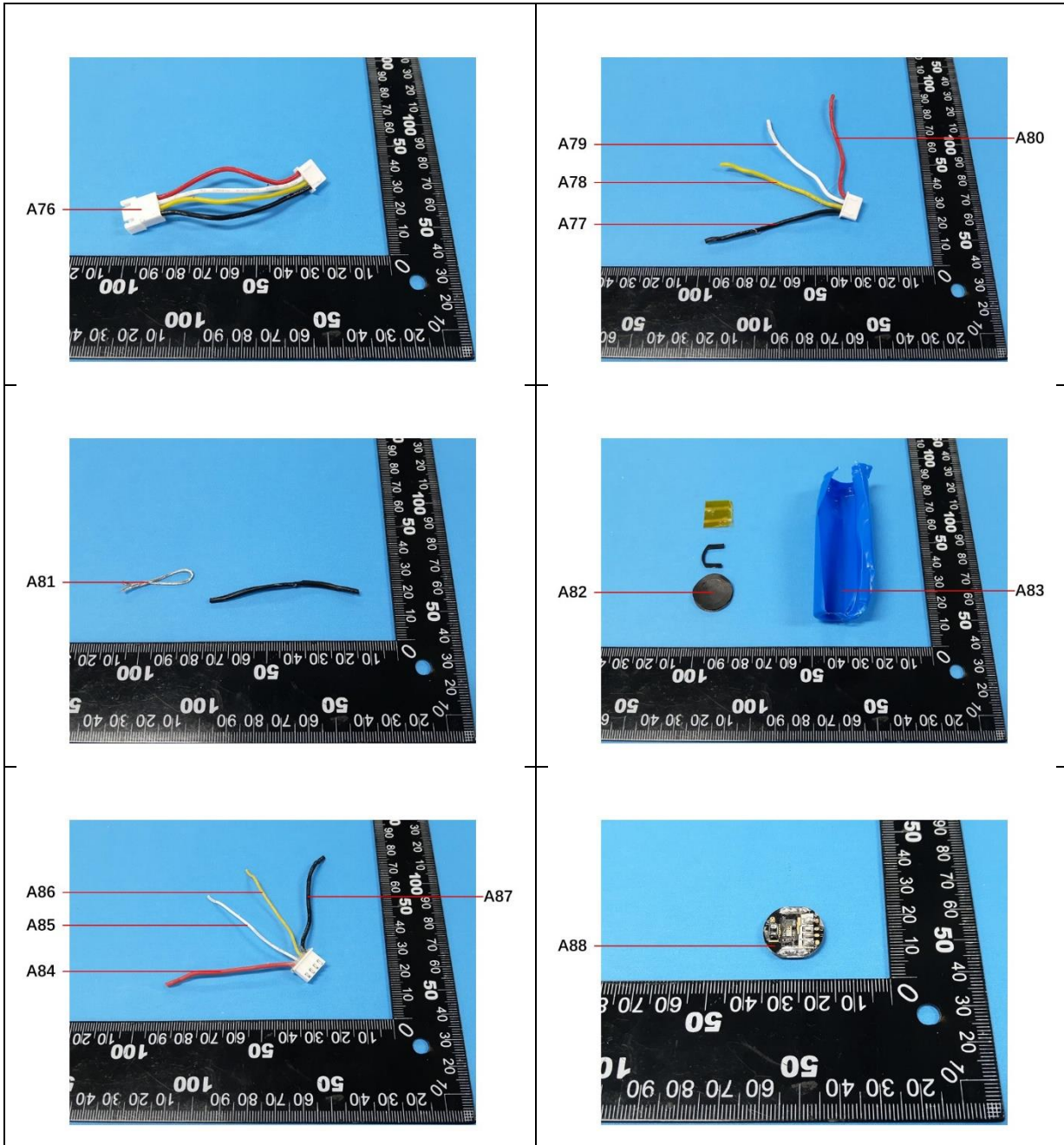


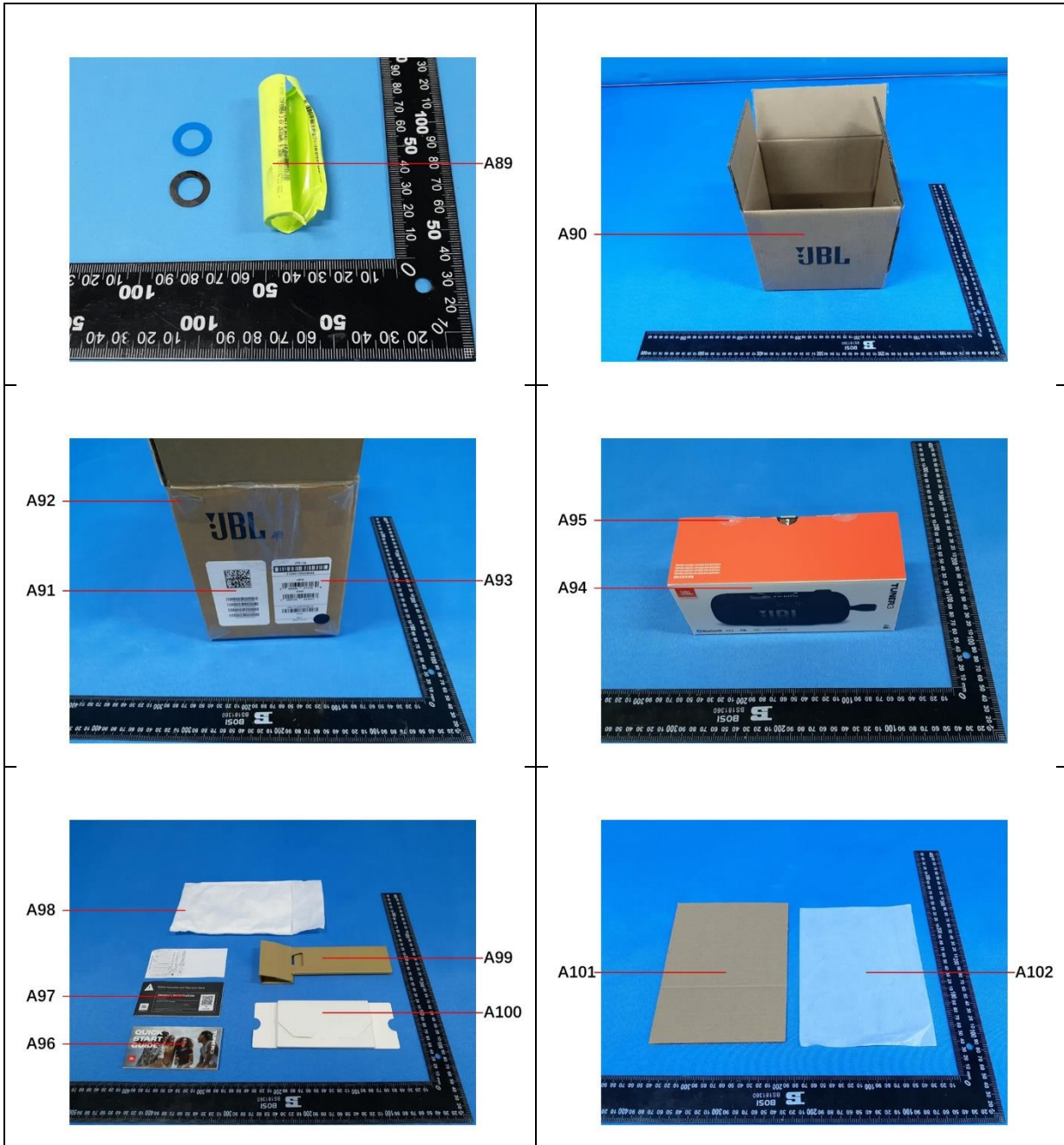
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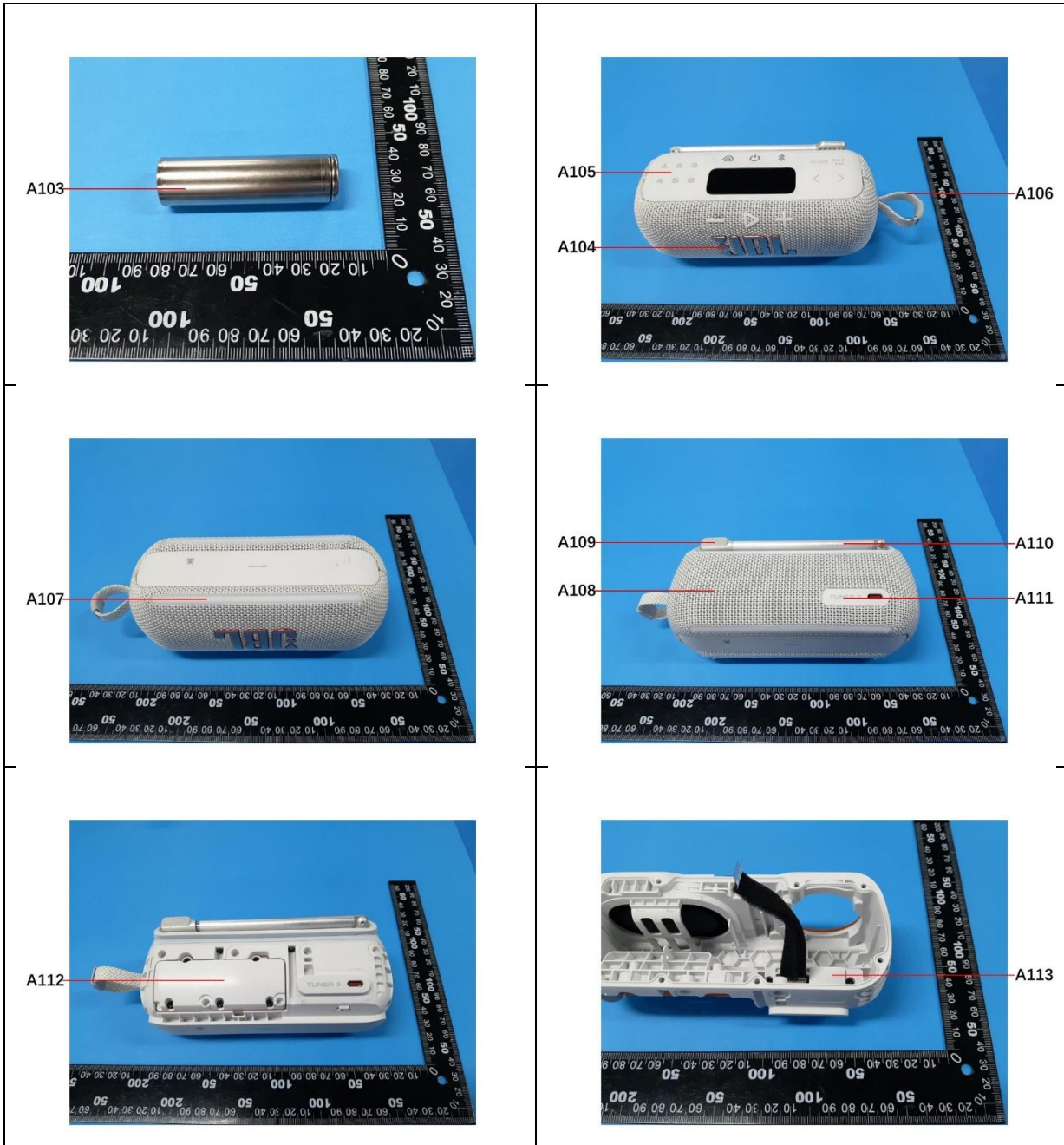
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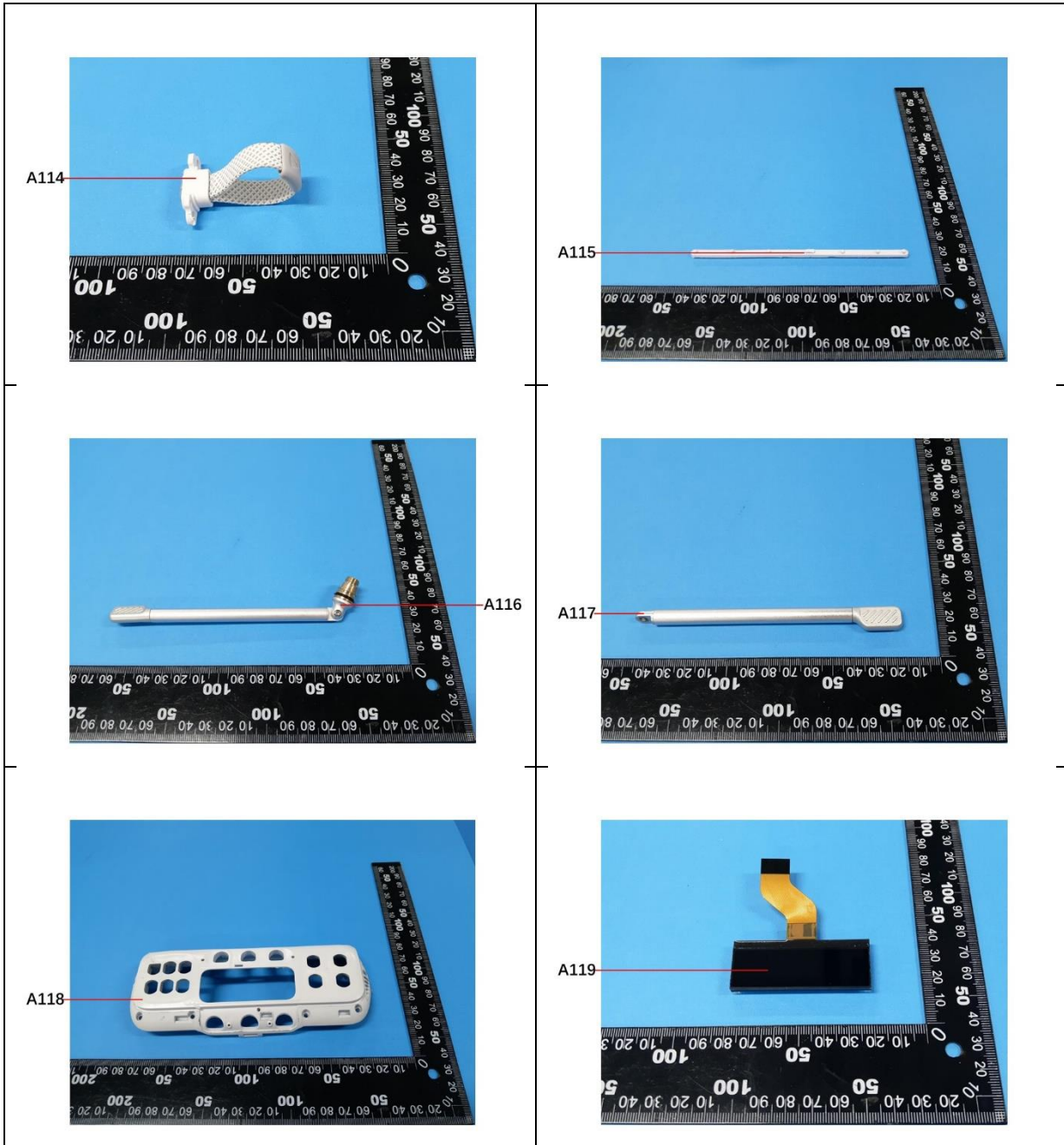












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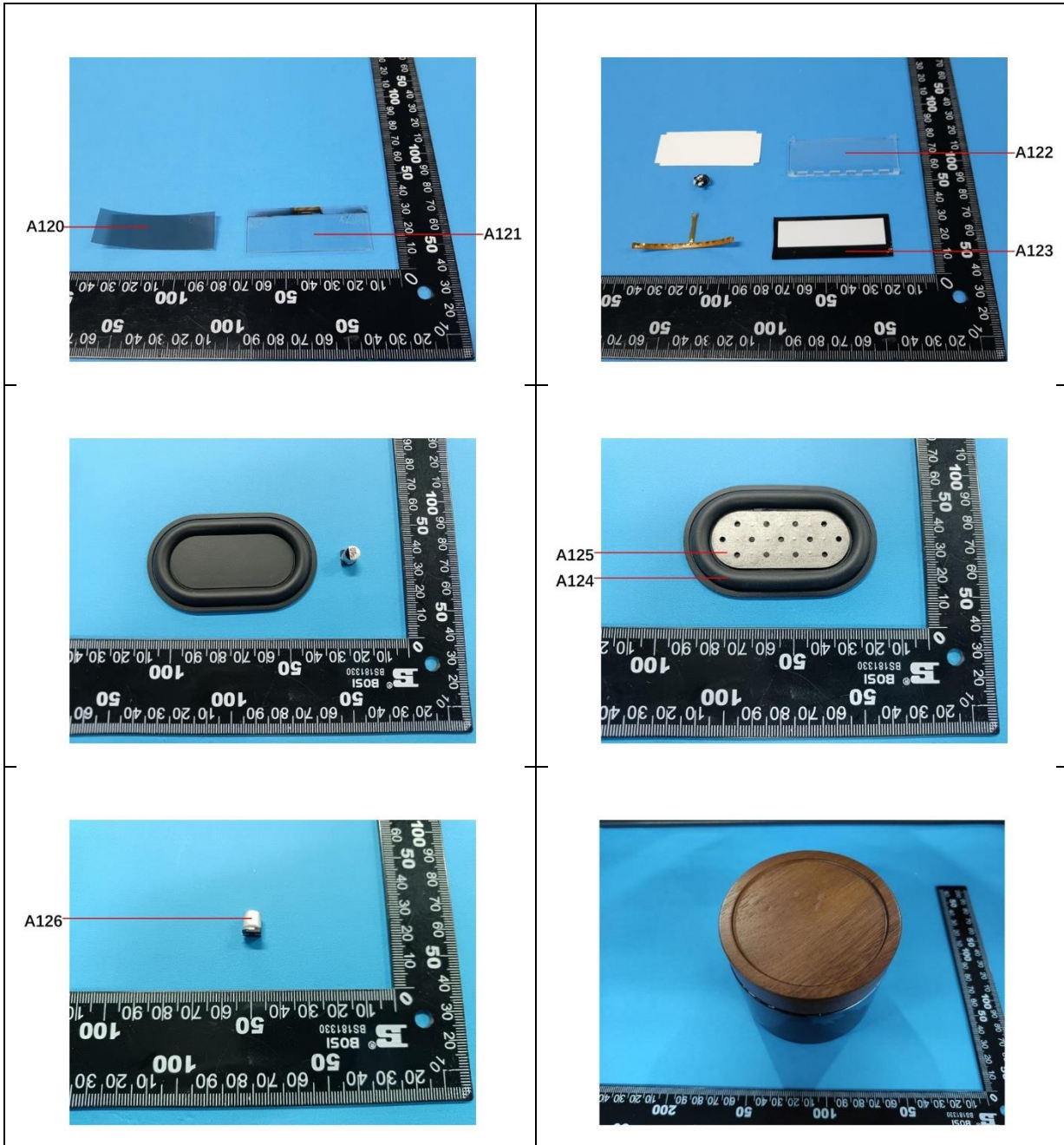
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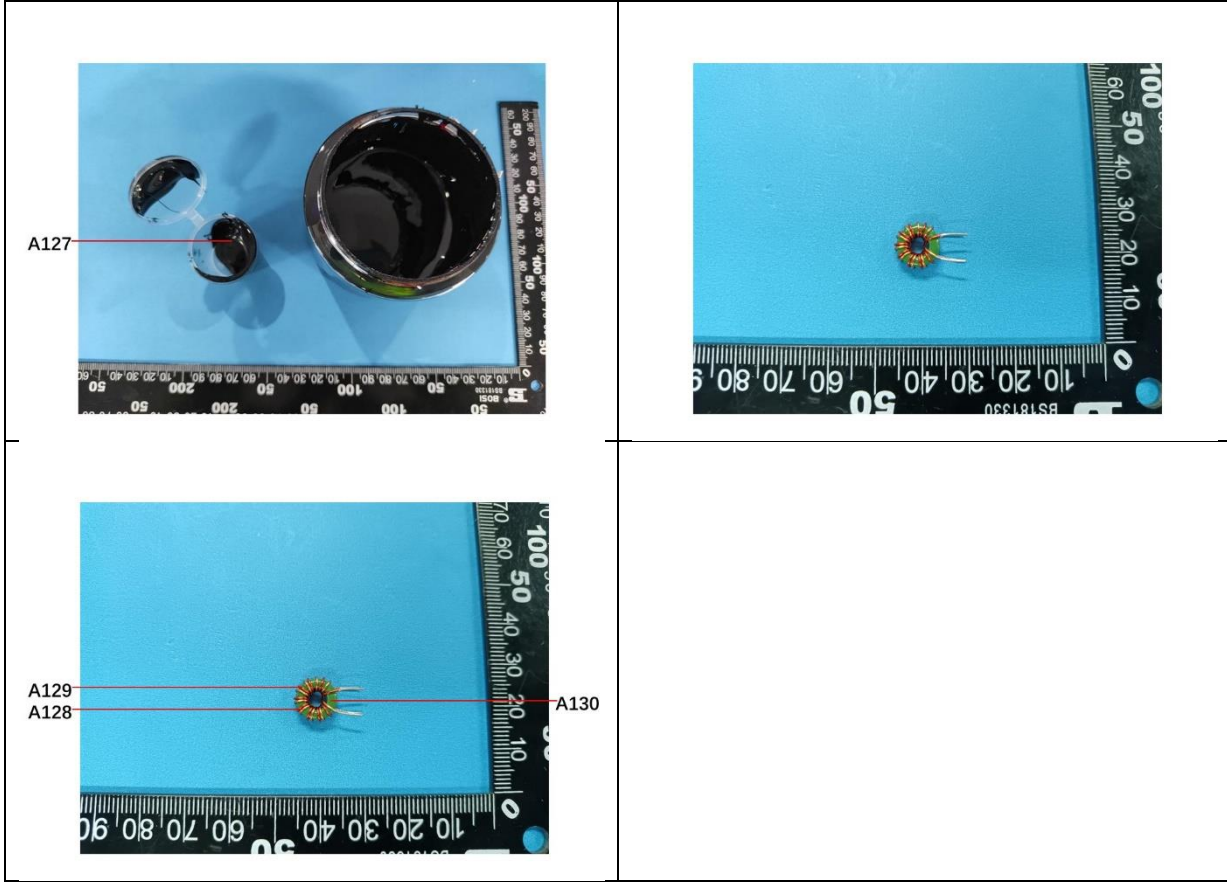
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