



TEST REPORT

Applicant : Realme Chongqing Mobile Telecommunications Corp., Ltd.

Product Name : Mobile phone

Model Name : RMX3231

Brand Name : realme

Test Request : As specified by client, to screen 209 substances in the Candidate List of Substances of Very High Concern (SVHC) for authorization published by European Chemicals Agency (ECHA) regarding Regulation (EC) No 1907/2006 concerning the REACH in the submitted sample(s).

Receipt Date : 2021-02-05

Test Date : 2021-02-19 to 2021-03-02

Issue Date : 2021-03-11

Summary:

According to the ruling of the court of Justice of the European Union on the definition an article under REACH, and the specified scope and evaluation screening, the test results of SVHC are $\geq 0.1\%$ (w/w) in the submitted sample. See B002(B-3), C002(C-3), E002(E-3), G002(G-2), H002(H-3)

Warning
(see Remark)

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DIRECTORY

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Change History		
Version	Date	Reason for change
1.0	2021-03-11	First edition

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:

<https://echa.europa.eu/it/candidate-list-table>

These lists are under evaluation by ECHA and may subject to change in the future.

- (2) Concerning article(s):

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 is present in those articles in quantities totaling over one tonne per producer or importer per year; and(b) the substance is present in those articles above a concentration of 0.1% weight by weight (w/w)

Article 33 of Regulation (EC) No 1907/2006 requires supplier of 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.

- (3) Concerning material(s):

Test results in the report are based on the tested sample .This report to testing result of tested sample submitted as homogenous materials. 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.

- (4) 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.

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



(6) The limit of 0.1%(w/w) applies to an article. The results were calculated assuming as the submitted sample was an article.

However, the results may not be applicable if the intended use of the sample is a substance or mixture. According to REACH,

definition of an article, substance and mixture are:

i. Article - An object during production is given a special shape, surface or design which determines its function to a greater degree than does its chemical composition

ii. Substance - A chemical element and its compound in the natural state or obtained by any manufacturing process

iii. Mixture (Previously known as "Preparation") - A mixture or solution composed of two or more substances

(7) When the test result is a critical value, we will use the measurement uncertainty to give the judgment result based on the 95% risk level.



1. Applicant Information

Applicant	Realme Chongqing Mobile Telecommunications Corp., Ltd.
Applicant Address	No.178 Yulong Avenue, Yufengshan, Yubei District, Chongqing,China.
Manufacturer	Realme Chongqing Mobile Telecommunications Corp., Ltd.
Manufacturer Address	No.178 Yulong Avenue, Yufengshan, Yubei District, Chongqing,China.
Factory 1	Realme Chongqing Mobile Telecommunications Corp., Ltd.
Factory Address 1	No.178 Yulong Avenue, Yufengshan, Yubei District, Chongqing,China.
Factory 2	OPPO Mobiles India Private Limited
Factory Address 2	5th Floor, Tower-B, Building No. 8,DLF Cyber City, Gurgaon, Haryana, INDIA

2. Component Description

Part No.	Specimen No.	Sample Description	Group table
1	A001	Non-Metal Group	-
2	A002	Metal Group	-
3	A003	Electronic Components	-
4	A004	Glass Group	-
5	A005	Battery	-
6	B001	Non-Metal Group	-
7	B002	Metal Group	-
8	B003	Electronic Components	-
9	C001	Non-Metal Group	-
10	C002	Metal Group	-
11	C003	Electronic Components	-



Part No.	Specimen No.	Sample Description	Group table
12	D001	Non-Metal Group	-
13	D002	Metal Group	-
14	D003	Electronic Components	-
15	E001	Non-Metal Group	-
16	E002	Metal Group	-
17	E003	Electronic Components	-
18	F001	Non-Metal Group	-
19	F002	Metal Group	-
20	F003	Electronic Components	-
21	G001	Non-Metal Group	-
22	G002	Metal Group	-
23	G003	Electronic Components	-
24	H001	Non-Metal Group	-
25	H002	Metal Group	-
26	H003	Electronic Components	-
27	I001	Non-Metal Group	-
28	I002	Metal Group	-



Specimen No.	Sample No.	Sample Description
A001	A-1	Blue Plastic Cover
	A-2	Black Glue
	A-3	Black Viscose
	A-5	Black Plastic Cover
	A-6	Led Transparent Plastic
	A-7	Black Plastic
	A-8	Black Plastic
	A-9	Black Plastic
	A-10	Conductive Fabric
	A-11	Conductive Fabric
	A-12	Card Slot Black Plastic
	A-14	Black Plastic
	A-15	Base Band
	A-20	Rf Black Plastic Wire Sheath
	A-21	Rf Silvery Metal Wire
	A-22	Rf White Plastic Core
	A-28	Speaker Silvery Foil
	A-29	Speaker Black Plastic
	A-30	Speaker Black Mesh Film
	A-35	Receiver Silvery Foil
	A-36	Receiver Black Plastic
	A-42	Motor White Plastic
	A-43	Motor PCB Board
	A-44	Motor Base Band
	A-45	Front Camera Base Band
	A-49	Front Camera Transparent Plastic
	A-50	Front Camera Black Plastic
	A-51	Rear Camera Base Band
	A-56	Rear Camera Transparent Plastic
	A-57	Rear Camera Black Plastic
	A-58	Black Rubber
	A-59	Earphone Socket Black Plastic
	A-63	Type-C Port Black Plastic
	A-67	PCB Board
	A-75	Connector



Specimen No.	Sample No.	Sample Description
A001	A-78	PCB Board
	A-101	PCB Board
	A-102	Black Sponge
	A-103	Transparent Sheet
	A-105	Base Band
	A-106	Gray Plastic
	A-107	Black Rubberizing
	A-110	Transparent Plastic
	A-111	Translucent Film
	A-112	Silvery Film
	A-113	Reflective Film
A002	A-13	Card Slot Silvery Metal Frame
	A-16	Side Button Silvery Metal Shrapnel
	A-17	Side Button Silvery Metal
	A-18	Silvery Metal Screw
	A-19	Silvery Metal Middle Frame
	A-23	Rf Golden Metal Port
	A-24	Speaker Silvery Metal
	A-25	Speaker Silvery Metal Pin
	A-26	Speaker Silvery Magnet
	A-27	Speaker Copper Coil
	A-31	Receiver Silvery Metal
	A-32	Receiver Silvery Metal Pin
	A-33	Receiver Silvery Magnet
	A-34	Receiver Copper Coil
	A-37	Motor Silvery Metal Shell
	A-38	Motor Silvery Magnet Ring
	A-39	Motor Golden Metal
	A-40	Motor Silvery Metal
	A-41	Motor Copper Coil
	A-46	Front Camera Silvery Metal
	A-53	Rear Camera Silvery Metal
	A-54	Rear Camera Silvery Magnet
	A-55	Rear Camera Copper Wire
	A-60	Earphone Socket Silvery Metal
	A-61	Type-C Port Silvery Metal



Specimen No.	Sample No.	Sample Description
A002	A-62	Type-C Port Golden Metal Pin
	A-66	Soldering Tin
	A-68	Copper Foil
	A-69	Silvery Metal Shielding Cover
	A-70	Card Slot Silvery Metal Cover
	A-71	Card Slot Golden Metal Pin
	A-72	Card Slot Silvery Metal
	A-73	Card Slot Silvery Metal
	A-74	Silvery Metal Pin
	A-100	Soldering Tin
	A-109	Silvery Metal
A003	A-47	Front Camera IC
	A-52	Rear Camera IC
	A-64	IC
	A-65	Crystal Oscillator
	A-76	Led
	A-77	IC
	A-79	IC
	A-80	IC
	A-81	IC
	A-82	IC
	A-83	IC
	A-84	IC
	A-85	IC
	A-86	IC
	A-87	IC
	A-88	IC
	A-89	IC
	A-90	IC
	A-91	IC
	A-92	Diode
	A-93	Capacitor
	A-94	Capacitor
	A-95	Capacitor
	A-96	Resistor
	A-97	Inductance



Specimen No.	Sample No.	Sample Description
A003	A-98	Inductance
	A-99	Crystal Oscillator
	A-104	Capacitor
	A-108	Led
A004	A-4	Camera Black Glass Lens
	A-48	Front Camera Blue Glass Lens
	A-114	Display Screen
	A-115	Touch Screen
A005	A-116	Battery
B001	B-1	White Plastic Shell
	B-2	Gray White Plastic Cover
	B-4	White Sponge
	B-5	Red Wire Sheath
	B-6	Black Wire Sheath
	B-11	Fuse Brown Plastic Shell
	B-12	Fuse Black Plastic
	B-16	Black Plastic
	B-19	Black Plastic Skin
	B-21	Black Plastic
	B-24	Black Plastic Skin
	B-25	Black Plastic Skin
	B-27	Black Plastic
	B-30	USB White Plastic Shell
	B-32	USB Yellow Plastic
	B-34	Transformer Black Plastic
	B-35	Transformer Black Ceramic
	B-36	Transformer Yellow Glue Tape
	B-37	Transformer White Glue Tape
	B-38	Transformer Enamelled Wire
B002	B-47	PCB
	B-3	Silvery Metal Pin
	B-7	Silvery Wire
	B-10	Inductance Silvery Metal Pin
	B-13	Fuse Silvery Metal
	B-15	Silvery Metal Shell
	B-17	Silvery Metal Pin



Specimen No.	Sample No.	Sample Description
B002	B-20	Silvery Metal Inner Cover
	B-22	Silvery Metal Pin
	B-26	Silvery Metal
	B-28	Silvery Metal Pin
	B-31	USB Silvery Metal
	B-33	USB Silvery Metal Pin
	B-39	Copper Wire
	B-46	Soldering Tin
	B-48	Transformer Copper Foil
B003	B-8	Blue Capacitor
	B-9	Colour Inductance
	B-14	Green Resistor
	B-18	Electrolyte
	B-23	Electrolyte
	B-29	Electrolyte
	B-40	IC
	B-41	IC
	B-42	IC
	B-43	Diode
	B-44	Capacitor
	B-45	Resistor
C001	C-1	White Plastic Shell
	C-2	Gray Plastic Cover
	C-4	Black Plastic Wire Sheath
	C-5	White Plastic Wire Sheath
	C-10	Brown Plastic Shell
	C-11	Black Plastic
	C-13	Black Plastic Rubber Cover
	C-16	Black Plastic Mat
	C-19	Black Plastic Skin
	C-21	Black Plastic Mat
	C-24	Black Plastic Skin
	C-26	Black Plastic Mat
	C-29	QR Code Paper Label
	C-30	USB White Plastic Shell
	C-32	USB Yellow Plastic



Specimen No.	Sample No.	Sample Description
C001	C-35	Transformer Black Plastic
	C-36	Transformer Yellow Glue Tape
	C-37	Transformer Enamelled Wire
	C-40	Transformer Black Ceramic
	C-49	PCB
C002	C-3	Silvery Metal Pin
	C-6	Silvery Metal Wire
	C-9	Silvery Metal Pin
	C-15	Silvery Metal Shell
	C-18	Silvery Metal Pin
	C-20	Silvery Metal Inner Cover
	C-22	Silvery Metal Pin
	C-25	Silvery Metal Inner Cover
	C-27	Silvery Metal Pin
	C-31	USB Silvery Metal
	C-33	USB Silvery Metal Pin
	C-38	Transformer Copper Wire
	C-39	Transformer Copper Foil
	C-48	Soldering Tin
C003	C-7	Blue Ceramic Capacitor
	C-8	Colour Inductance
	C-12	Fuse
	C-14	Green Ceramic Capacitor
	C-17	Electrolyte
	C-23	Electrolyte
	C-28	Electrolyte
	C-34	Rectifier
	C-41	IC
	C-42	IC
	C-43	IC
	C-44	Diode
	C-45	Resistor
	C-47	Capacitor
D001	D-1	White Plastic Cover
	D-2	Gray White Plastic Cover
	D-4	White Sponge



Specimen No.	Sample No.	Sample Description
D001	D-5	Red Wire Sheath
	D-6	Black Wire Sheath
	D-11	Fuse Brown Plastic Shell
	D-12	Fuse Black Plastic
	D-16	Black Plastic
	D-19	Black Plastic Skin
	D-21	Black Plastic
	D-24	Black Plastic Skin
	D-25	Black Plastic Skin
	D-27	Black Plastic
	D-30	USB White Plastic Shell
	D-32	USB Yellow Plastic
	D-34	Transformer Black Plastic
	D-35	Transformer Black Ceramic
	D-36	Transformer Yellow Glue Tape
	D-37	Transformer White Glue Tape
	D-38	Transformer Enamelled Wire
	D-47	PCB
D002	D-3	Silvery Metal Plug
	D-7	Silvery Wire
	D-10	Inductance Silvery Metal Pin
	D-13	Fuse Silvery Metal
	D-15	Silvery Metal Shell
	D-17	Silvery Metal Pin
	D-20	Silvery Metal Shell
	D-22	Silvery Metal Pin
	D-26	Silvery Metal
	D-28	Silvery Metal Pin
	D-31	USB Silvery Metal
	D-33	USB Silvery Metal Pin
	D-39	Copper Wire
	D-46	Soldering Tin
D003	D-8	Blue Capacitor
	D-9	Colour Inductance
	D-14	Green Resistor
	D-18	Electrolyte



Specimen No.	Sample No.	Sample Description
D003	D-23	Electrolyte
	D-29	Electrolyte
	D-40	IC
	D-41	IC
	D-42	IC
	D-43	Diode
	D-44	Capacitor
	D-45	Resistor
E001	E-1	White Plastic Shell
	E-2	Gray White Plastic Cover
	E-4	White Sponge
	E-5	Black Plastic Wire Sheath
	E-6	Red Plastic Wire Sheath
	E-10	Black Plastic
	E-13	Fuse Brown Plastic Shell
	E-14	Fuse Black Plastic
	E-19	Brown Plastic Skin
	E-21	Black Plastic
	E-24	USB White Plastic Shell
	E-26	USB Yellow Plastic
	E-28	PCB Black Plastic
	E-29	Black Plastic
	E-31	Transformer Black Plastic
	E-32	Transformer Black Ceramic
	E-33	Transformer Yellow Glue Tape
	E-35	Transformer Enamelled Wire
	E-46	PCB
E002	E-3	Silvery Metal Plug
	E-7	Silvery Wire
	E-9	Silvery Metal Shell
	E-11	Silvery Metal Pin
	E-15	Fuse Silvery Metal
	E-18	Silvery Metal Pin
	E-20	Silvery Metal Shell
	E-22	Silvery Metal Pin



Specimen No.	Sample No.	Sample Description
E002	E-25	USB Silvery Metal
	E-27	USB Silvery Metal Pin
	E-30	Silvery Metal
	E-34	Transformer Copper Metal
	E-36	Transformer Copper Wire
	E-45	Soldering Tin
E003	E-8	Blue Capacitor
	E-12	Electrolyte
	E-16	Green Capacitor
	E-17	Colour Inductance
	E-23	Electrolyte
	E-37	IC
	E-38	IC
	E-39	IC
	E-40	Diode
	E-41	Diode
	E-42	Resistor
	E-43	Capacitor
	E-44	Chip Capacitor
F001	F-3	White Plastic Shell
	F-4	Gray Plastic Cover
	F-5	Red Wire Sheath
	F-6	Black Wire Sheath
	F-9	Black Plastic Stopper(Ce3,Ce4)
	F-12	White Sticker(USB Socket)
	F-13	White Plastic Shell(USB Socket)
	F-15	Yellow Plastic(USB Socket)
	F-22	Black Heat Shrink Tube(Ce1,Ce2)
	F-23	Green Plastic Skin(Ce1,Ce2)
	F-25	Black Plastic Stopper(Ce1,Ce2)
	F-28	Brown Plastic Shell(F1)
	F-29	Black Plastic(F1)
	F-31	White Glue Tape(Transformer)
	F-33	Black Ceramic(Transformer)
	F-34	Yellow Enamelled Wire(Transformer)
	F-36	Brown Plastic(Transformer)



Specimen No.	Sample No.	Sample Description
F001	F-37	Black Plastic Frame(Transformer)
	F-39	White Plastic
	F-47	Green PCB
F002	F-1	Silvery Metal Pin
	F-2	Soldering Tin
	F-7	Silvery Metal Wire
	F-8	Silvery Metal Shell(Ce3,Ce4)
	F-11	Silvery Metal Pin(Ce3,Ce4)
	F-14	Silvery Metal Shell(USB Socket)
	F-16	Golden Metal Pin(USB Socket)
	F-19	Silvery Metal Pin(Ntc)
	F-21	Silvery Metal Pin(L1)
	F-24	Silvery Metal Shell(Ce1,Ce2)
	F-27	Silvery Metal Pin(Ce1,Ce2)
	F-30	Silvery Metal Pin(F1)
	F-32	Copper_Coloured Metal Foil(Transformer)
	F-35	Copper_Coloured Coil(Transformer)
	F-38	Silvery Metal Pin(Transformer)
	F-48	Soldering Tin
F003	F-10	Electrolyte(Ce3,Ce4)
	F-17	Blue Ceramic Capacitor(Cy1,Cy2)
	F-18	Green Ceramic Capacitor(Ntc)
	F-20	Green Ceramic Main Body(L1)
	F-26	Electrolyte(Ce1,Ce2)
	F-40	IC
	F-41	IC
	F-42	IC
	F-43	Diode
	F-44	Chip Capacitor
	F-45	Chip Resistor
	F-46	Chip Resistor
G001	G-3	Gray Plastic
	G-4	White Plastic Shell
	G-5	White Plastic Soft Rubber
	G-6	Red Wire Sheath
	G-7	Black Wire Sheath



Specimen No.	Sample No.	Sample Description
G001	G-10	Black Plastic(Ce3)
	G-16	Black Plastic(Ce2)
	G-17	Black Plastic(Ce2)
	G-19	Black Plastic(Ce2)
	G-22	Black Plastic
	G-23	White Cotton Thread
	G-24	Black Plastic
	G-26	Label
	G-27	White Plastic
	G-29	Yellow Plastic
	G-31	White Plastic Viscose
	G-34	Black Plastic
	G-35	White Plastic Viscose
	G-37	Yellow Plastic
	G-43	PCB
G002	G-1	Soldering Tin
	G-2	Silvery Metal Plug
	G-8	Golden Metal Wire
	G-9	Silvery Aluminum Shell(Ce3)
	G-12	Silvery Metal Pin(Ce3)
	G-18	Silvery Aluminum Shell(Ce2)
	G-21	Silvery Metal Pin (Ce2)
	G-25	Silvery Metal
	G-28	Silvery Metal
	G-30	Silvery Metal Pin
	G-32	Copper Foil
	G-33	Black Magnet
	G-36	Yellow Enamelled Wire
	G-38	Golden Metal Coil
	G-42	Soldering Tin
G003	G-11	Electrolyte(Ce3)
	G-13	Blue Main Body(Cy1)
	G-14	Green Main Body
	G-15	Green Colour Ring Resistor
	G-20	Electrolyte(Ce2)
	G-39	IC



Specimen No.	Sample No.	Sample Description
G003	G-40	IC
	G-41	IC
	G-44	IC
	G-45	Resistor
H001	H-1	White Plastic Shell
	H-2	Gray White Plastic Cover
	H-4	White Sponge
	H-5	Red Wire Sheath
	H-6	Black Wire Sheath
	H-11	Fuse Brown Plastic Shell
	H-12	Fuse Black Plastic
	H-16	Black Plastic
	H-19	Black Plastic Skin
	H-21	Black Plastic
	H-24	Black Plastic Skin
	H-25	Black Plastic Skin
	H-27	Black Plastic
	H-30	USB White Plastic Shell
	H-32	USB Yellow Plastic
	H-34	Transformer Black Plastic
	H-35	Transformer Black Ceramic
	H-36	Transformer Yellow Glue Tape
	H-37	Transformer White Glue Tape
	H-38	Transformer Enamelled Wire
	H-47	PCB
H002	H-3	Silvery Metal Plug
	H-7	Silvery Wire
	H-10	Inductance Silvery Metal Pin
	H-13	Fuse Silvery Metal
	H-15	Silvery Metal Shell
	H-17	Silvery Metal Pin
	H-20	Silvery Metal Shell
	H-22	Silvery Metal Pin
	H-26	Silvery Metal
	H-28	Silvery Metal Pin
	H-31	USB Silvery Metal



Specimen No.	Sample No.	Sample Description
H002	H-33	USB Silvery Metal Pin
	H-39	Copper Wire
	H-46	Soldering Tin
H003	H-8	Blue Capacitor
	H-9	Colour Inductance
	H-14	Green Resistor
	H-18	Electrolyte
	H-23	Electrolyte
	H-29	Electrolyte
	H-40	IC
	H-41	IC
	H-42	IC
	H-43	Diode
	H-44	Capacitor
	H-45	Resistor
I001	I-1	White Plastic
	I-3	White Plastic
	I-4	White Plastic
	I-6	White Plastic Skin
	I-8	Aluminum Paper
	I-10	Transparent Plastic Wire Sheath
	I-12	Red Plastic Wire Sheath
	I-13	White Plastic Wire Sheath
	I-14	Green Plastic Wire Sheath
	I-15	White Plastic
	I-17	Translucent Plastic
	I-19	White Plastic
	I-21	Beige Plastic
I002	I-2	Silvery Metal
	I-5	Silvery Metal Pin
	I-7	Silvery Metal Wire
	I-9	White Wire
	I-11	Silvery Metal Wire
	I-16	Silvery Metal
	I-18	Silvery Metal
	I-20	Silvery Metal



Specimen No.	Sample No.	Sample Description
I002	I-22	Silvery Metal Pin
	I-23	Copper Foil

3. Test Result:

Test Result: (Substances in the Candidate List of SVHC)

Batch	Substance Name	CAS No.	Concentration (%)		RL (%)
			B002(B-3)	C002(C-3)	
XIX	Lead	7439-92-1	1.65	1.72	0.050
-	Other tested SVHC in Candidate List	-	N.D.	N.D.	-

Batch	Substance Name	CAS No.	Concentration (%)		RL (%)
			E002(E-3)	G002(G-2)	
XIX	Lead	7439-92-1	2.28	2.29	0.050
-	Other tested SVHC in Candidate List	-	N.D.	N.D.	-

Batch	Substance Name	CAS No.	Concentration (%)	RL (%)
			H002(H-3)	
XIX	Lead	7439-92-1	2.01	0.050
-	Other tested SVHC in Candidate List	-	N.D.	-

Batch	Substance Name	CAS No.	Concentration (%)					RL (%)
			A001	A002	A003	A004	A005	
-	All tested SVHC in Candidate List	-	N.D.	N.D.	N.D.	N.D.	N.D.	-

Batch	Substance Name	CAS No.	Concentration (%)				RL (%)
			B001	B002 except(B-3)	B003	C001	
-	All tested SVHC in Candidate List	-	N.D.	N.D.	N.D.	N.D.	-

Batch	Substance Name	CAS No.	Concentration (%)					RL (%)
			C002 except(C-3)	C003	D001	D002	D003	
-	All tested SVHC in Candidate List	-	N.D.	N.D.	N.D.	N.D.	N.D.	-



Batch	Substance Name	CAS No.	Concentration (%)					RL (%)
			E001	E002 except(E-3)	E003	F001	F002	
-	All tested SVHC in Candidate List	-	N.D.	N.D.	N.D.	N.D.	N.D.	-

Batch	Substance Name	CAS No.	Concentration (%)				RL (%)
			F003	G001	G002 except(G-2)	G003	
-	All tested SVHC in Candidate List	-	N.D.	N.D.	N.D.	N.D.	-

Batch	Substance Name	CAS No.	Concentration (%)					RL (%)
			H001	H002 except(H-3)	H003	I001	I002	
-	All tested SVHC in Candidate List	-	N.D.	N.D.	N.D.	N.D.	N.D.	-

Remark:

(1) RL=Report Limit. All RL are based on homogenous material and these limits are based on laboratory testing technology. When the testing result exceed RL, the report will show specific result. ND= Not detected (lower than RL), ND is denoted on the SVHC substance.

(2) △CAS No. of diastereoisomers identified (α -HBCDD, β - HBCDD, γ -HBCDD): 134237-50-6, 134237-51-7, 134237-52-8

(3) *The test result is based on the calculation of selected element(s)/ marker(s) and the worst-case scenario.

(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).

4. Annex Full list tested SVHC

No.	Substance Name	CAS No.	RL (%)
1	4,4'-Diaminodiphenylmethane	101-77-9	0.050
2	5-tert-butyl-2,4,6-trinitro-m-xylene	81-15-2	0.050
3	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	0.050
4	Anthracene	120-12-7	0.050
5	Diarsenic pentaoxide*	1303-28-2	0.005
6	Diarsenic trioxide*	1327-53-3	0.005
7	Bis(2-ethylhexyl)phthalate (DEHP)	117-81-7	0.050
8	Bis(tributyltin)oxide (TBTO)	56-35-9	0.050
9	Benzyl butyl phthalate (BBP)	85-68-7	0.050
10	Cobalt dichloride*	7646-79-9	0.005
11	Dibutyl phthalate (DBP)	84-74-2	0.050
12	Hexabromocyclododecane(HBCDD) and all major diastereoisomers identified (α -HBCDD, β -HBCDD, γ -HBCDD) ^Δ	25637-99-4; 3194-55-6	0.050
13	Lead hydrogen arsenate*	7784-40-9	0.005
14	Sodium dichromate*	7789-12-0 10588-01-9	0.005
15	Triethyl arsenate*	15606-95-8	0.005
16	Anthracene oil	90640-80-5	0.050
17	Anthracene oil, anthracene paste,distn. Lights	91995-17-4	0.050
18	Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	0.050
19	Anthracene oil, anthracene-low	90640-82-7	0.050
20	Anthracene oil, anthracene paste	90640-81-6	0.050
21	Pitch, coal tar, high temp	65996-93-2	0.050
22	Tris(2-chloroethyl)phosphate (TCEP)	115-96-8	0.050
23	2,4-Dinitrotoluene (2,4-DNT)	121-14-2	0.050
24	Diisobutyl phthalate (DIBP)	84-69-5	0.050
25	Lead chromate molybdate sulfate red * (C.I. Pigment Red 104)	12656-85-8	0.005
26	Lead sulfochromate yellow* (C.I. Pigment Yellow 34)	1344-37-2	0.005
27	Lead chromate*	7758-97-6	0.005



No.	Substance Name	CAS No.	RL (%)
28	Acrylamide	79-06-1	0.050
29	Trichloroethylene	79-01-6	0.050
30	Boric acid*	10043-35-3 11113-50-1	0.005
31	Disodium tetraborate, anhydrous*	1303-96-4 1330-43-4 12179-04-3	0.005
32	Tetraboron disodium heptaoxide,hydrate*	12267-73-1	0.005
33	Sodium chromate*	7775-11-3	0.005
34	Potassium chromate*	7789-00-6	0.005
35	Ammonium dichromate*	7789-09-5	0.005
36	Potassium dichromate*	7778-50-9	0.005
37	Cobalt(II) sulphate*	10124-43-3	0.005
38	Cobalt(II) dinitrate*	10141-05-6	0.005
39	Cobalt (II) carbonate*	513-79-1	0.005
40	Cobalt(II) diacetate*	71-48-7	0.005
41	2-Methoxyethanol	109-86-4	0.050
42	2-Ethoxyethanol	110-80-5	0.050
43	Chromium trioxide*	1333-82-0	0.005
44	Acids generated from chromium trioxide and their oligomers Group containing: Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid*	7738-94-5 13530-68-2	0.005
45	2-ethoxyethyl acetate	111-15-9	0.050
46	Strontium chromate*	7789-6-2	0.005
47	1,2-Benzenedicarboxylic acid,di-C7-11-branched and linear alkyl esters (DHNUP)	68515-42-4	0.050
48	Hydrazine	302-01-2 7803-57-8	0.050
49	1-methyl-2-pyrrolidone	872-50-4	0.050
50	1,2,3-trichloropropane	96-18-4	0.050
51	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters,C7-rich (DIHP)	71888-89-6	0.050
52	Dichromium tris(chromate)*	24613-89-6	0.005
53	Potassium hydroxyoctaoxodizincatedi-chromate*	11103-86-9	0.005
54	Pentazinc chromate octahydroxide*	49663-84-5	0.005



No.	Substance Name	CAS No.	RL (%)
55	Aluminosilicate Refractory Ceramic Fibres*	-	0.005
56	Zirconia Aluminosilicate Refractory Ceramic Fibres*	-	0.005
57	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	25214-70-4	0.050
58	Bis(2-methoxyethyl) phthalate	117-82-8	0.050
59	2-Methoxyaniline;o-Anisidine	90-04-0	0.050
60	4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol)	140-66-9	0.050
61	1,2-Dichloroethane	107-06-2	0.050
62	Bis(2-methoxyethyl) ether	111-96-6	0.050
63	Arsenic acid*	7778-39-4	0.005
64	Calcium arsenate*	7778-44-1	0.005
65	Trilead diarsenate*	3687-31-8	0.005
66	N,N-dimethylacetamide (DMAC)	127-19-5	0.050
67	3,3'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	0.050
68	Phenolphthalein	77-09-8	0.050
69	Lead azide Lead diazide*	13424-46-9	0.005
70	Lead styphnate*	15245-44-0	0.005
71	Lead dipicrate*	6477-64-1	0.005
72	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	0.050
73	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	0.050
74	Diboron trioxide*	1303-86-2	0.005
75	Formamide	75-12-7	0.050
76	Lead(II) bis(methanesulfonate)*	17570-76-2	0.005
77	1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (TGIC)	2451-62-9	0.050
78	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β -TGIC)	59653-74-6	0.050
79	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	90-94-8	0.050
80	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	0.050
81	[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	0.050

No.	Substance Name	CAS No.	RL (%)
82	[4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammoniumchloride (C.I. Basic Violet 3) [§]	548-62-9	0.050
83	4,4'-bis(dimethylamino)-4''-(methylamino) trityl alcohol [§]	561-41-1	0.050
84	α,α -Bis[4-(dimethylamino)phenyl]-4 (phenylamino) naphthalene-1-methanol (C.I. Solvent Blue 4) [§]	6786-83-0	0.050
85	Bis(pentabromophenyl) ether (decabromodiphenyl ether; Deca-BDE)	1163-19-5	0.050
86	Pentacosafuorotridecanoic acid	72629-94-8	0.050
87	Tricosafuorododecanoic acid	307-55-1	0.050
88	Henicosafuoroundecanoic acid	2058-94-8	0.050
89	Heptacosafuorotetradecanoic acid	376-06-7	0.050
90	Diazene-1,2-dicarboxamide(C,C'-azodi(formamide))	123-77-3	0.050
91	Cyclohexane-1,2-dicarboxylic anhydride	14166-21-3	0.050
92	Hexahydromethylphthalic anhydride Hexahydro-4-methylphthalic anhydride Hexahydro-1-methylphthalic anhydride Hexahydro-3-methylphthalic anhydride	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9	0.050
93	4-Nonylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]	-	0.050
94	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]	-	0.050
95	Methoxyacetic acid	625-45-6	0.050
96	N,N-dimethylformamide	68-12-2	0.050
97	Dibutyltin dichloride (DBT)	683-18-1	0.050
98	Lead monoxide (Lead oxide)*	1317-36-8	0.005
99	Orange lead (Lead tetroxide)*	1314-41-6	0.005
100	Lead bis(tetrafluoroborate)*	13814-96-5	0.005
101	Trilead bis(carbonate)dihydroxide*	1319-46-6	0.005
102	Lead titanium trioxide*	12060-00-3	0.005



No.	Substance Name	CAS No.	RL (%)
103	Lead titanium zirconium oxide*	12626-81-2	0.005
104	Silicic acid, lead salt*	11120-22-2	0.005
105	Silicic acid , barium salt , lead-doped*	68784-75-8	0.005
106	1-bromopropane (n-propyl bromide)	106-94-5	0.050
107	Methyloxirane (Propylene oxide)	75-56-9	0.050
108	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	0.050
109	Diisopentylphthalate (DIPP)	605-50-5	0.050
110	N-pentyl-isopentylphthalate	776297-69-9	0.050
111	1,2-diethoxyethane	629-14-1	0.050
112	Acetic acid, lead salt, basic*	51404-69-4	0.005
113	Lead oxide sulfate*	12036-76-9	0.005
114	[Phthalato(2-)]dioxotrilead*	69011-06-9	0.005
115	Dioxobis(stearato)trilead*	12578-12-0	0.005
116	Fatty acids, C16-18, lead salts*	91031-62-8	0.005
117	Lead cyanamate*	20837-86-9	0.005
118	Lead dinitrate*	10099-74-8	0.005
119	Pentalead tetraoxide sulphate*	12065-90-6	0.005
120	Pyrochlore, antimony lead yellow*	8012-00-8	0.005
121	Sulfurous acid, lead salt, dibasic*	62229-08-7	0.005
122	Tetraethyllead*	78-00-2	0.005
123	Tetralead trioxide sulphate*	12202-17-4	0.005
124	Trilead dioxide phosphonate*	12141-20-7	0.005
125	Furan	110-00-9	0.050
126	Diethyl sulphate	64-67-5	0.050
127	Dimethyl sulphate	77-78-1	0.050
128	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	0.050
129	Dinoseb	88-85-7	0.050
130	4,4'-methylenedi-o-toluidine	838-88-0	0.050
131	4,4'-oxydianiline and its salts	101-80-4	0.050
132	4-aminoazobenzene	60-09-3	0.050
133	4-methyl-m-phenylenediamine	95-80-7	0.050



No.	Substance Name	CAS No.	RL (%)
134	6-methoxy- <i>m</i> -toluidine	120-71-8	0.050
135	Biphenyl-4-ylamine	92-67-1	0.050
136	<i>o</i> -aminoazotoluene	97-56-3	0.050
137	<i>o</i> -toluidine	95-53-4	0.050
138	N-methylacetamide	79-16-3	0.050
139	Cadmium*	7440-43-9	0.005
140	Cadmium oxide*	1306-19-0	0.005
141	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	0.050
142	Pentadecafluorooctanoic acid(PFOA)	335-67-1	0.050
143	Dipentyl phthalate (DPP)	131-18-0	0.050
144	4-Nonylphenol, branched and linear, ethoxylated	-	0.050
145	Cadmium sulphide*	1306-23-6	0.005
146	Diethyl phthalate	84-75-3	0.050
147	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis (4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	0.050
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. DirectBlack 38)	1937-37-7	0.050
149	Imidazolidine-2-thione	96-45-7	0.050
150	Lead di(acetate)*	301-04-2	0.005
151	Triethyl phosphate	25155-23-1	0.050
152	1,2-Benzenedicarboxylic acid, diethyl ester, branched and linear	68515-50-4	0.050
153	Cadmium chloride*	10108-64-2	0.005
154	Sodium perborate; perboric acid, sodium salt*	-	0.005
155	Sodium peroxometaborate*	7632-04-4	0.005
156	Cadmium fluoride*	7790-79-6	0.005
157	Cadmium sulphate*	10124-36-4	0.005
158	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	0.050
159	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	0.050
160	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	0.050
161	reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 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 and MOTE)	-	0.050



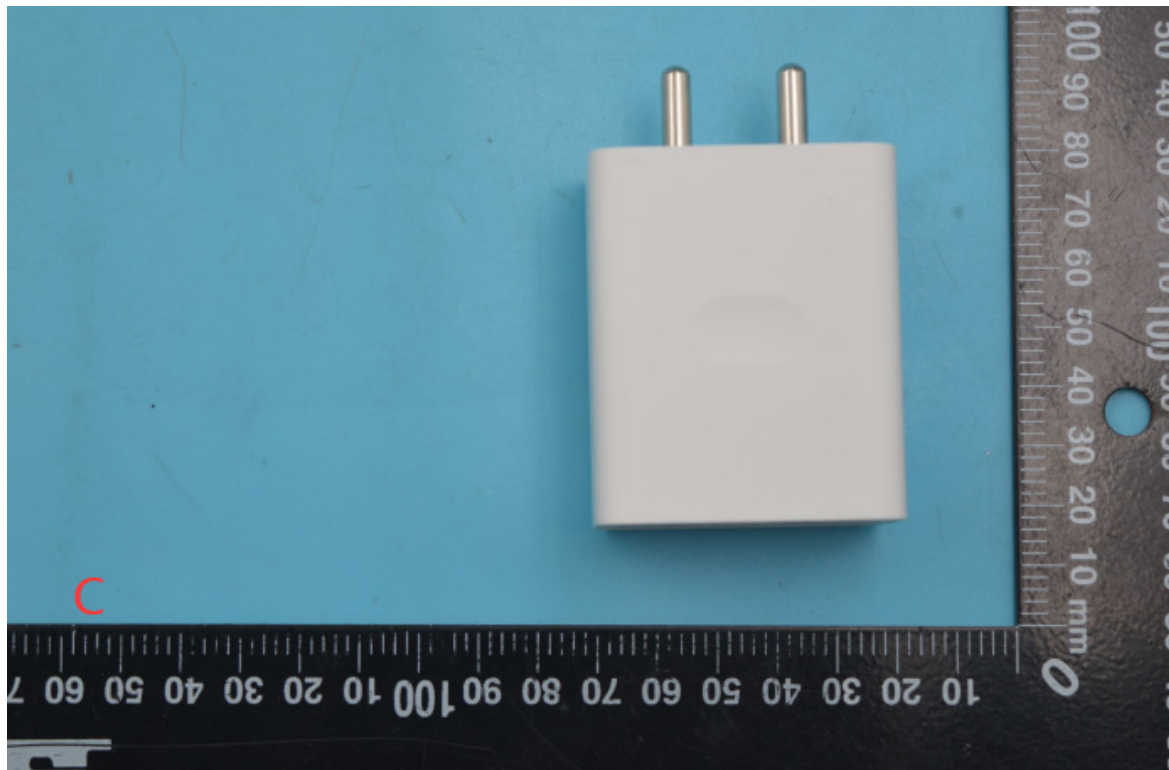
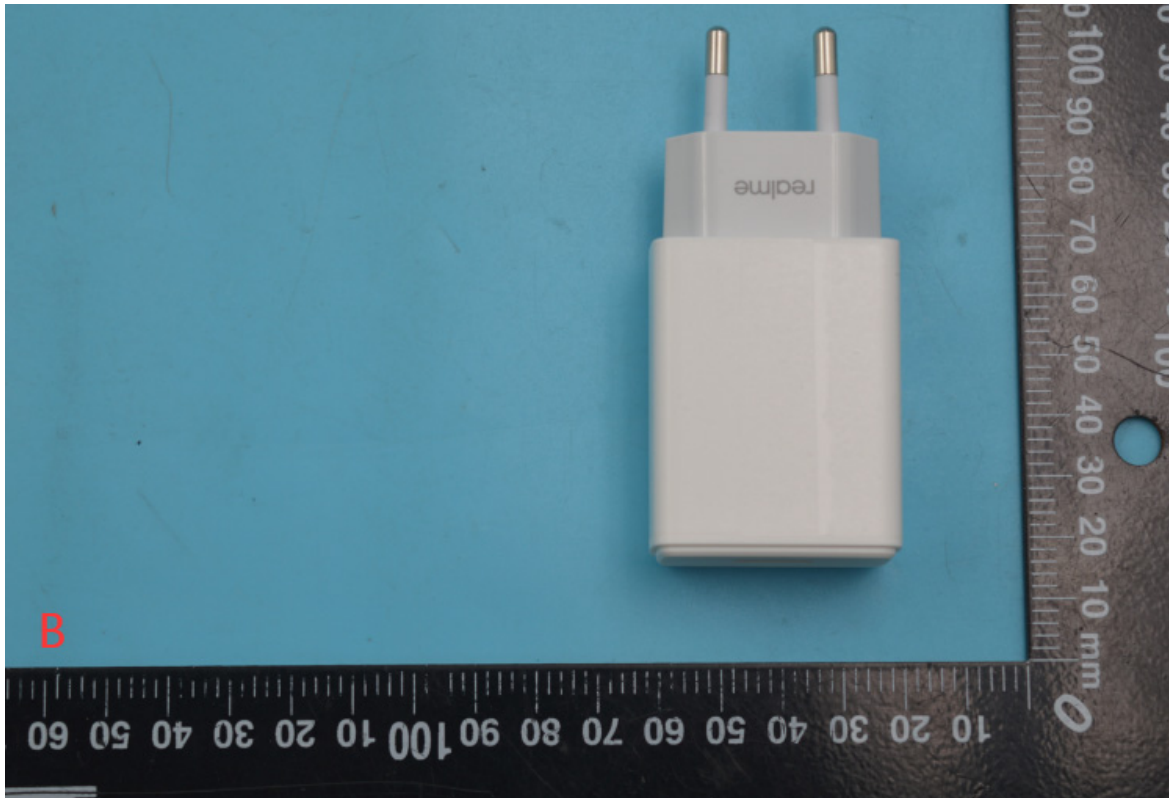
No.	Substance Name	CAS No.	RL (%)
162	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with $\geq 0.3\%$ of dihexyl phthalate (EC No. 201-559-5)	68515-51-5/ 68648-93-1	0.050
163	5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1 ,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 stereoisomers of [1] and [2] or any combination thereof]	-	0.050
164	1,3-propanesultone	1120-71-4	0.050
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	0.050
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	0.050
167	Nitrobenzene	98-95-3	0.050
168	Perfluorononan-1-oic-acid and its sodium and ammonium salts	375-95-1 21049-39-8 4149-60-4	0.050
169	Benzo[def]chrysene	50-32-8	0.050
170	4,4'-isopropylidenediphenol (bisphenol A)	80-05-7	0.050
171	nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	3108-42-7 335-76-2 3830-45-3	0.050
172	4-heptylphenol, branched and linear (4-HPbl)	-	0.050
173	4-tert-pentylphenol (PTAP)	80-46-6	0.050
174	Perfluorohexane-1-sulphonic acid and its salts PFHxS	-	0.050
175	Dechlorane Plus(TM) and reaction products of 1,3,4- thiadiazolidine-2,5-dithione	-	0.050
176	benz[a]anthracene	56-55-3	0.050
177	cadmium nitrate*	10325-94-7	0.005
178	cadmium carbonate*	513-78-0	0.005
179	cadmium hydroxide*	21041-95-2	0.005
180	chrysene	218-01-9	0.050
181	formaldehyde and 4-heptylphenol, branched and linear (RP-HP) [with $\geq 0.1\%$ w/w 4-heptylphenol, branched and linear]	-	0.050
182	Terphenyl, hydrogenated	61788-32-7	0.050
183	Octamethylcyclotetrasiloxane D4	556-67-2	0.050
184	Lead*	7439-92-1	0.005
185	Ethylenediamine EDA	107-15-3	0.050

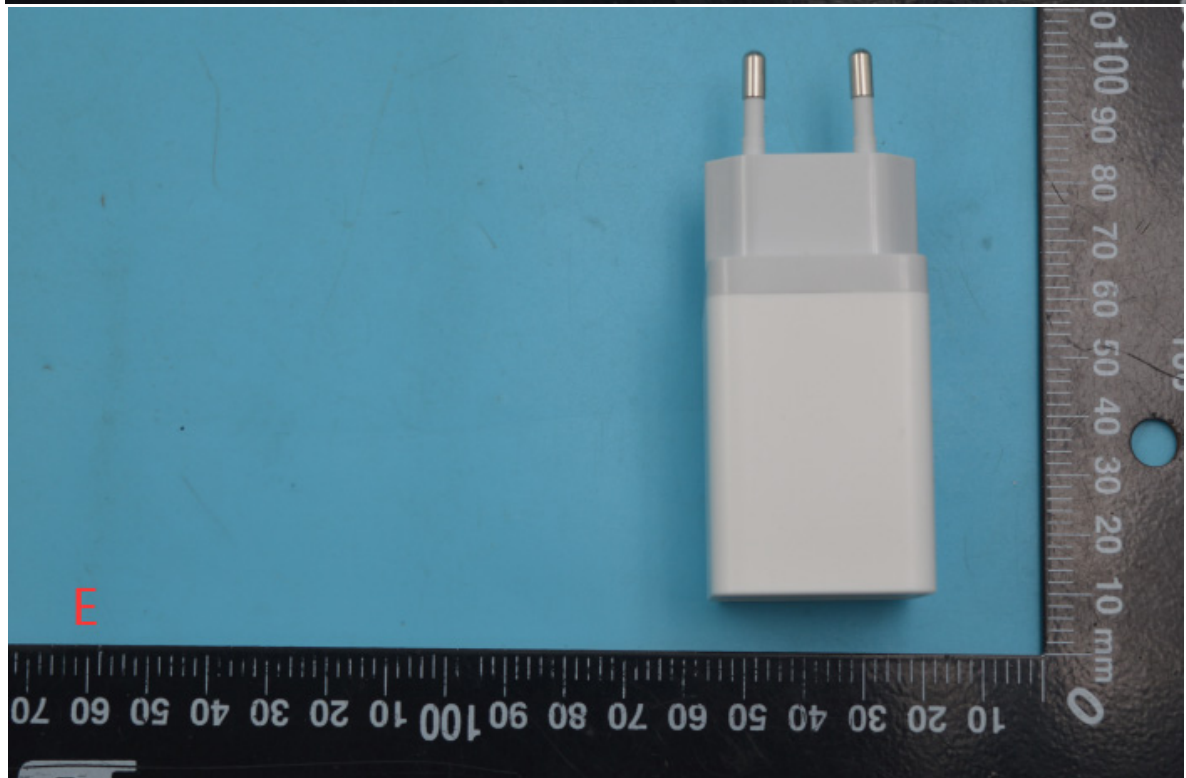
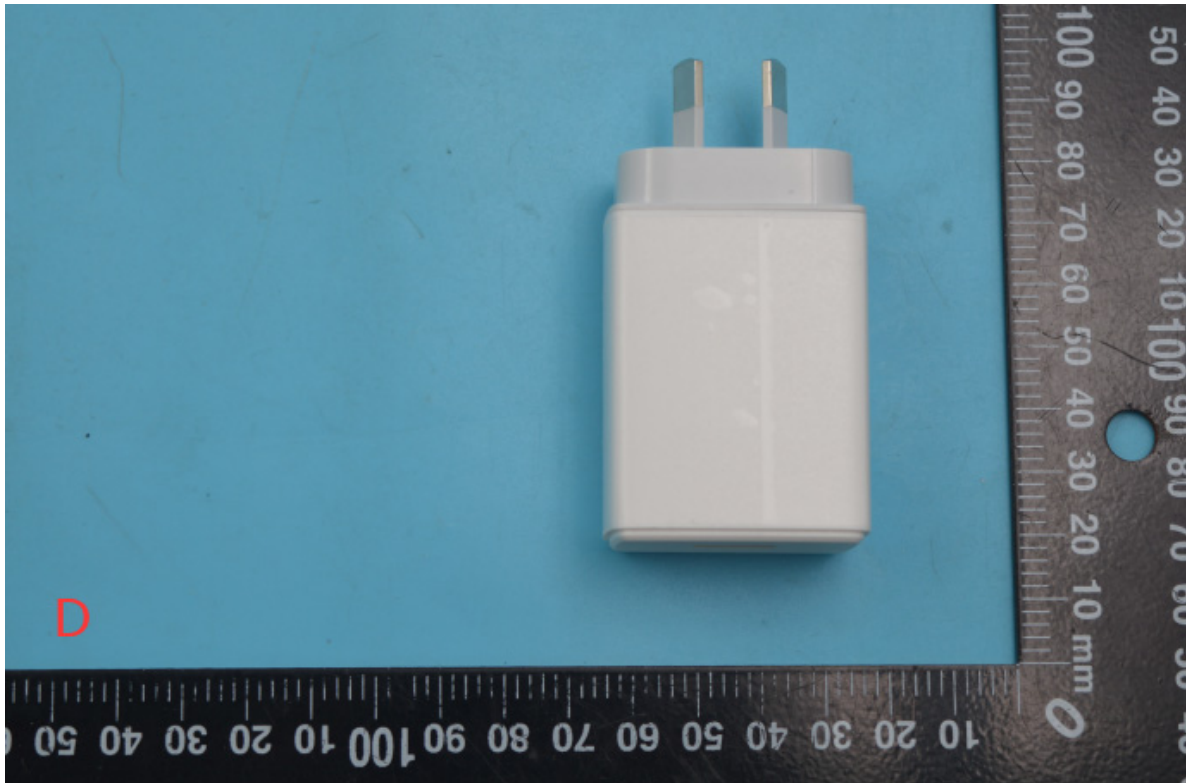


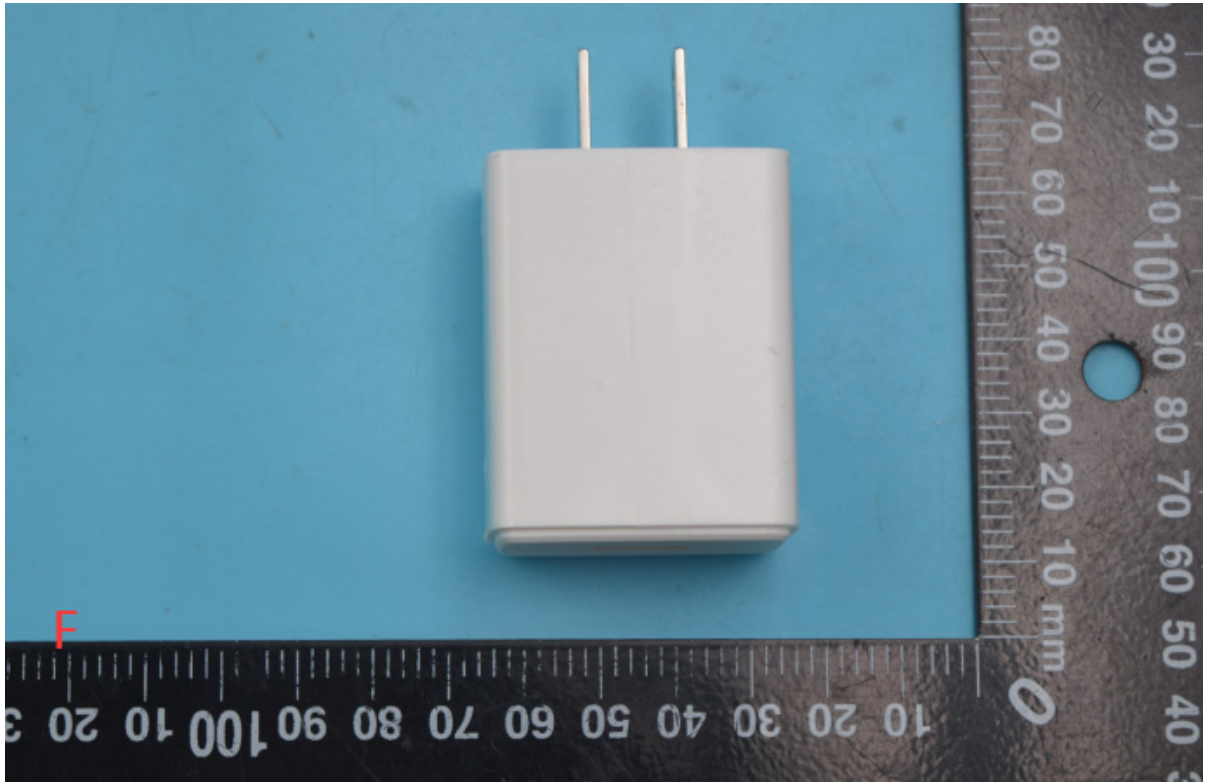
No.	Substance Name	CAS No.	RL (%)
186	Dodecamethylcyclotetrasiloxane D6	540-97-6	0.050
187	Disodium octaborate*	12008-41-2	0.005
188	Dicyclohexyl phthalate DCHP	84-61-7	0.050
189	Decamethylcyclotrisiloxane D5	541-02-6	0.050
190	Benzo[ghi]perylene	191-24-2	0.050
191	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride trimellitic anhydride; TMA	552-30-7	0.050
192	2,2-bis(4'-hydroxyphenyl)- 4-methylpentane	6807-17-6	0.005
193	Benzo[k]fluoranthene	207-08-9	0.005
194	Fluoranthene	206-44-0	0.050
195	Phenanthrene	85-01-8	0.050
196	Pyrene	129-00-0	0.050
197	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one	15087-24-8	0.050
198	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with $\geq 0.1\%$ w/w of 4-nonylphenol, branched and linear (4-NP)	-	0.050
199	4-tert-butylphenol	98-54-4	0.050
200	2-methoxyethyl acetate	110-49-6	0.050
201	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides	-	0.050
202	Perfluorobutane sulfonic acid (PFBS) and its salts	-	0.050
203	Diisohexyl phthalate	71850-09-4	0.050
204	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	0.050
205	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1	0.050
206	1-vinylimidazole	1072-63-5	0.050
207	2-methylimidazole	693-98-1	0.050
208	Butyl 4-hydroxybenzoate	94-26-8	0.050
209	Dibutylbis(pentane-2,4-dionato-O,O')tin	22673-19-4	0.050

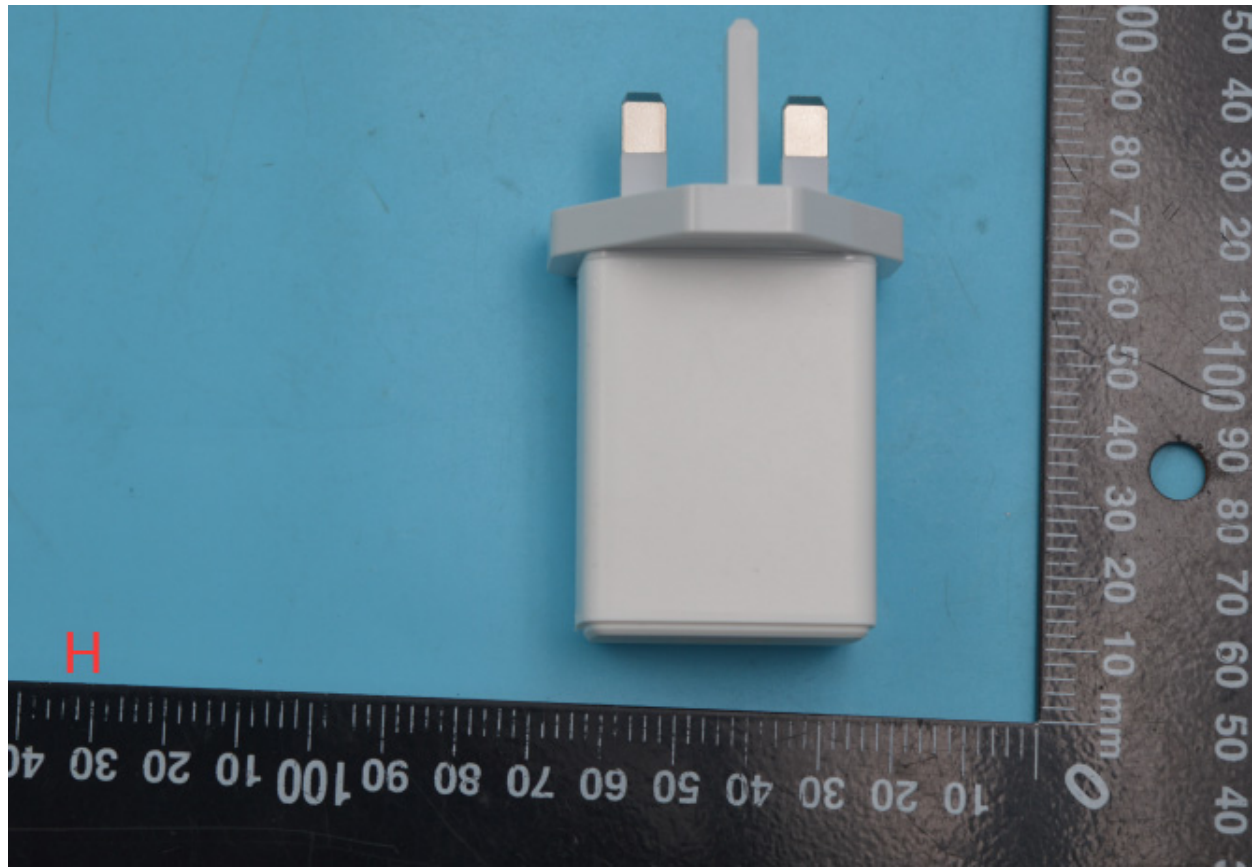
5. Photo of Sample





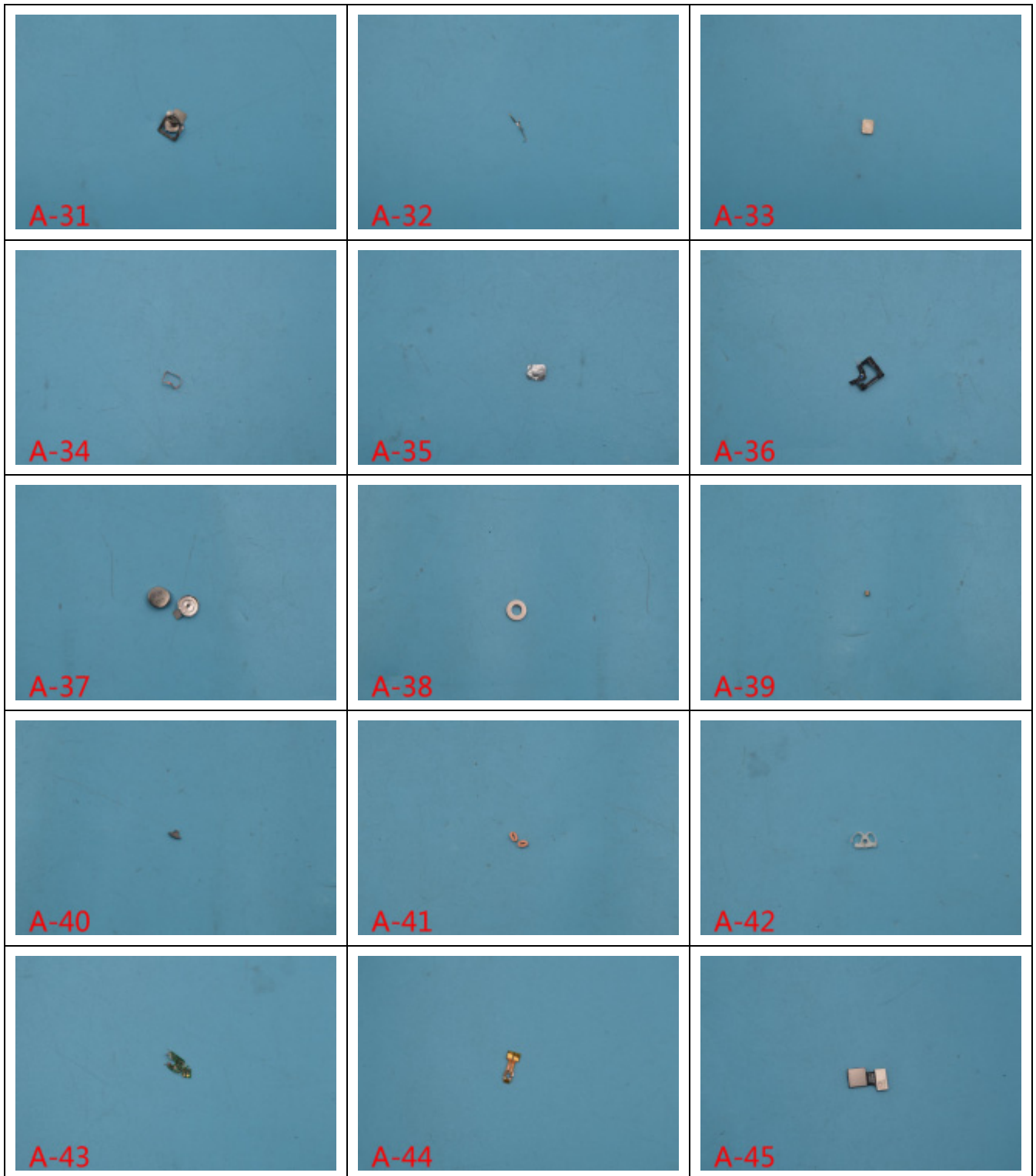


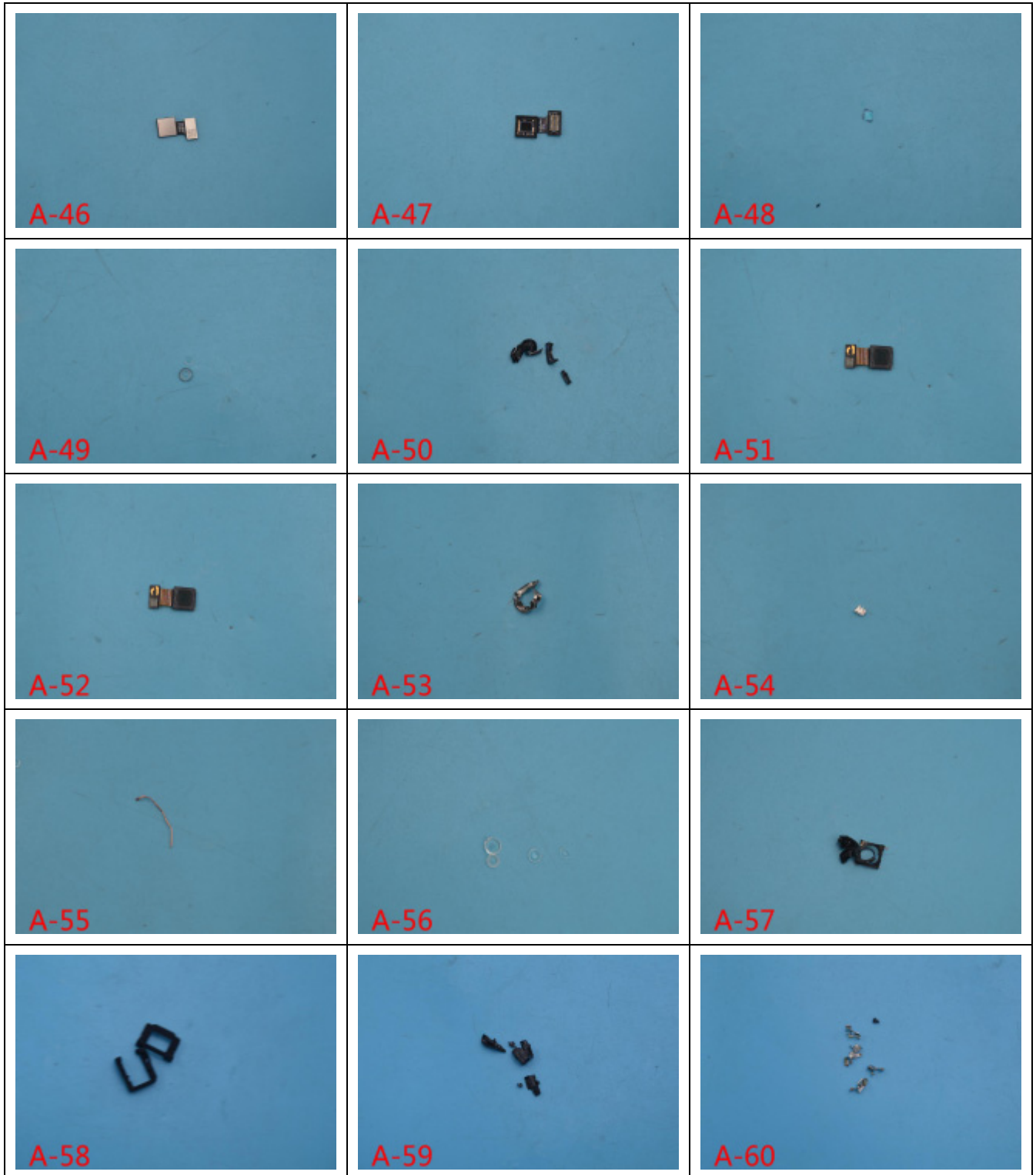




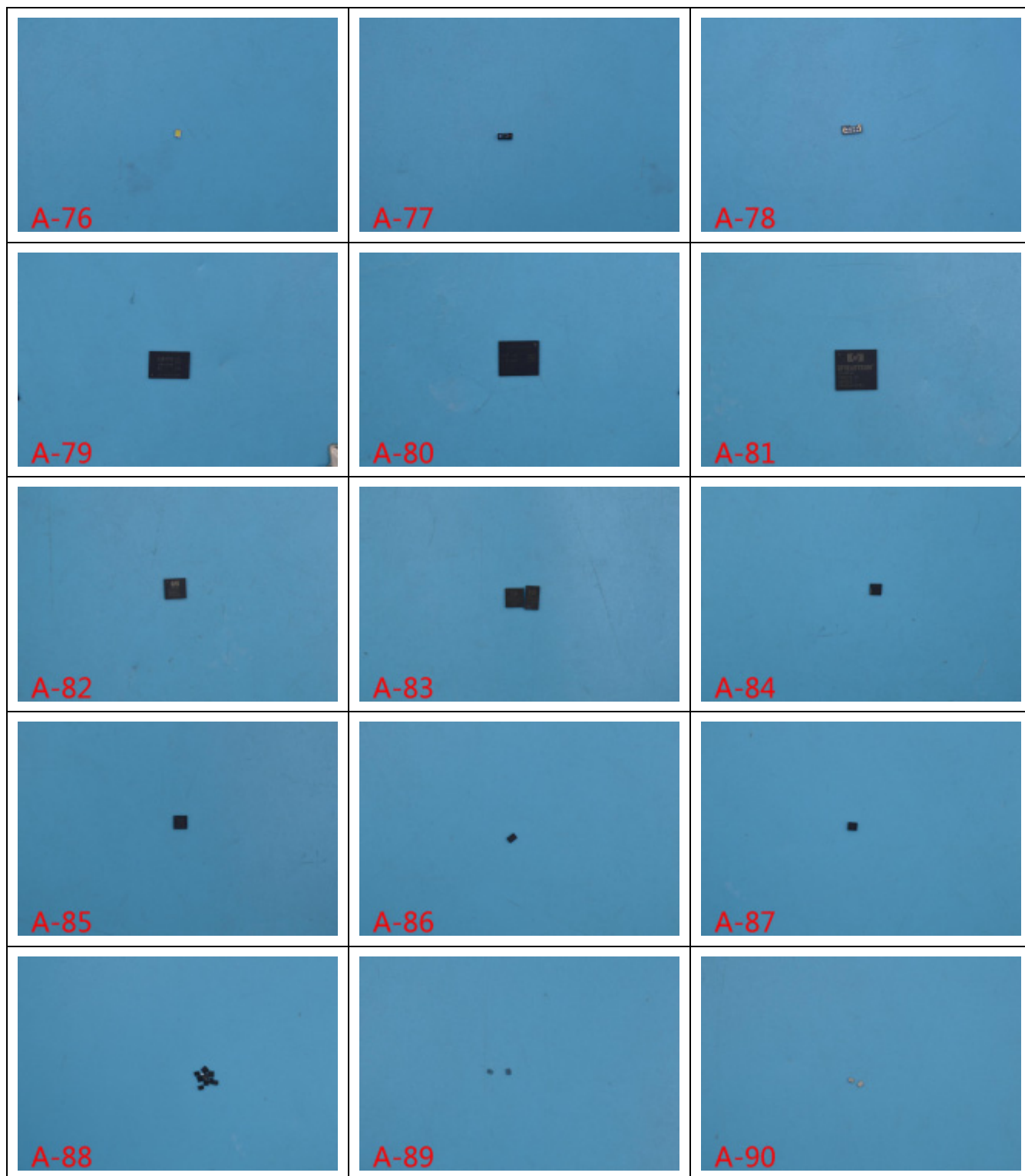
























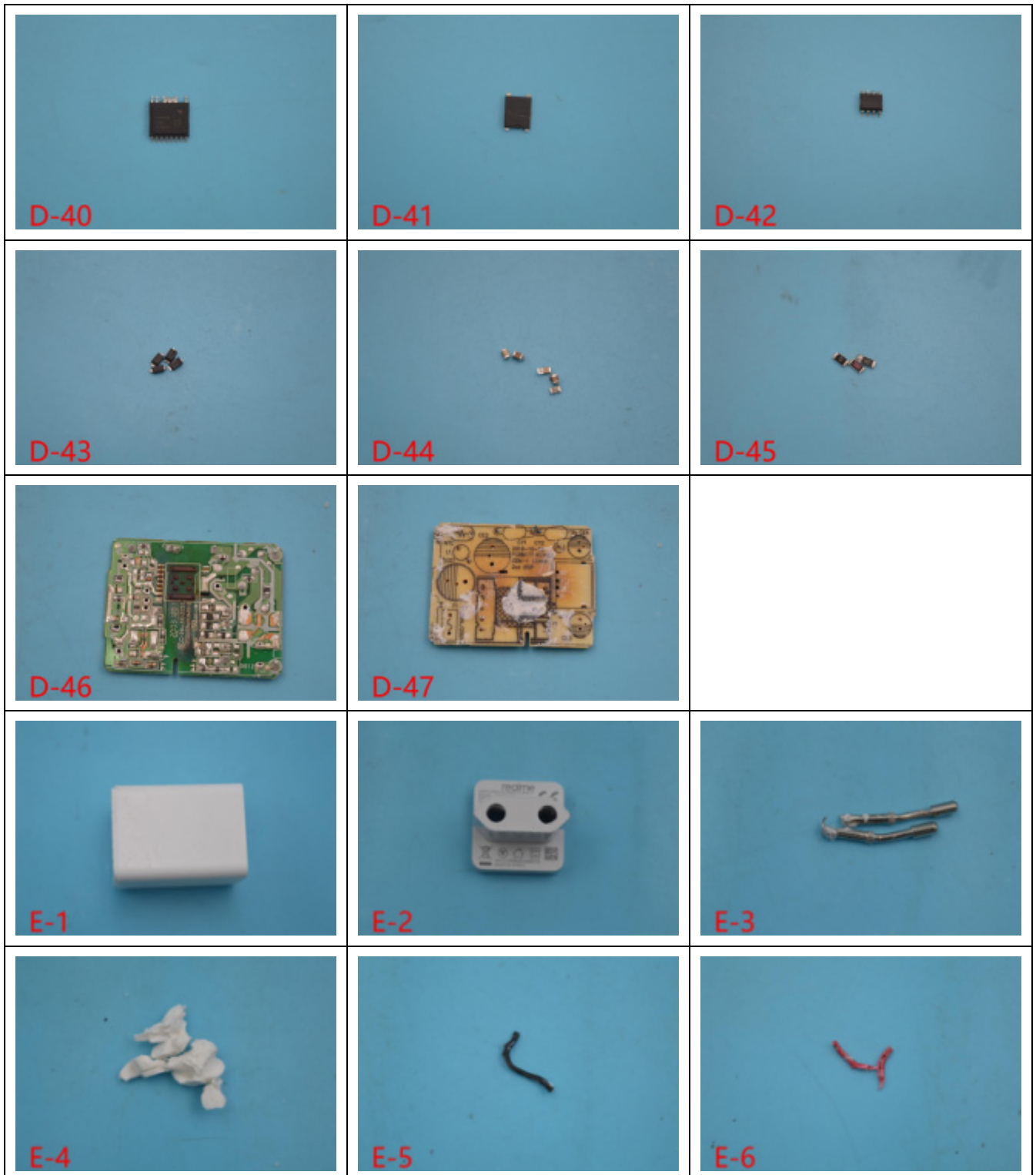










































Annex A General Information

1.1 Identification of the Responsible Testing Laboratory

Laboratory Name:	Shenzhen Morlab Communications Technology Co., Ltd. Morlab Laboratory
Laboratory Address:	FL1-3, Building A, FeiYang Science Park, No.8 LongChang Road, Block67, BaoAn District, ShenZhen , Guangdong Province, P. R. China
Telephone:	+86 755 36698555
Facsimile:	+86 755 36698525

1.2 Identification of the Responsible Testing Location

Name:	Shenzhen Morlab Communications Technology Co., Ltd. Morlab Laboratory
Address:	FL1-3, Building A, FeiYang Science Park, No.8 LongChang Road, Block67, BaoAn District, ShenZhen , Guangdong Province, P. R. China

***** END OF REPORT *****