

Client Name: JIANGXI YUKE TECHNOLOGY CO., LTD.  
 Client Address: NO.2 3RD FLOOR, NO. 878 XINWANG ROAD, TRADITIONAL CHINESE MEDICINE INDUSTRIAL PARK, ZHANGSHU CITY, YICHUN CITY, JIANGXI PROVINCE

Sample Name: Water Flosser  
 Tested Basic Model No.: 01WP

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

SGS Job No.: GZP24-031796  
 Sample Receiving Date: Sep 26, 2024  
 Verification Period: Sep 26, 2024 ~ Oct 23, 2024  
 Verification Requested: With reference to RoHS Directive (EU) 2015/863 amending 2011/65/EU.  
 Verification Method(s): Please refer to next page(s).  
 Verification Result(s): Please refer to next page(s).

**Test Result Summary:**

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

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

*Tyler Zhang*

Tyler-Y Zhang  
 Approved Signatory

scan to see the report



47CF4CC6



Photo of Submitted Sample



**Verification Method(s):**

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



Verification Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	A1	CAN24-0214050-0001.C001	Transparent plastic shell
SN2	A2	CAN24-0214050-0001.C002	White plastic part
SN3	A3	CAN24-0214050-0001.C003	Transparent rubber tube
SN4	A4	CAN24-0214050-0001.C004	Transparent rubber ring
SN5	A5	CAN24-0214050-0001.C005	Silvery surfaced plastic shell
SN6	A6	CAN24-0214050-0001.C006	White rubber cover
SN7	A7	CAN24-0214050-0001.C007	Transparent rubber part
SN8	A8	CAN24-0214050-0001.C008	White plastic frame
SN9	A9	CAN24-0214050-0001.C009	Silvery metal spring
SN10	A10	CAN24-0214050-0001.C010	White plastic button
SN11	A11	CAN24-0214050-0001.C011	White plastic shell
SN12	A12	CAN24-0214050-0001.C012	Transparent rubber part
SN13	A13	CAN24-0214050-0001.C013	White plastic shell
SN14	A14	CAN24-0214050-0001.C014	White plastic shell
SN15	A15	CAN24-0214050-0001.C015	Black adhesive sponge sheet
SN16	A16	CAN24-0214050-0001.C016	White rubber part
SN17	A17	CAN24-0214050-0001.C017	Transparent rubber ring
SN18	A18	CAN24-0214050-0001.C018	Transparent rubber ring
SN19	A19	CAN24-0214050-0001.C019	Transparent rubber ring
SN20	A20	CAN24-0214050-0001.C020	White plastic button
SN21	A21	CAN24-0214050-0001.C021	Red plastic (wire insulation)
SN22	A22	CAN24-0214050-0001.C022	White plastic part
SN23	A23	CAN24-0214050-0001.C023	Silvery metal shell
SN24	A24	CAN24-0214050-0001.C024	Black plastic part
SN25	A25	CAN24-0214050-0001.C025	Silvery metal solder
SN26	A26	CAN24-0214050-0001.C026	Silvery metal pin
SN27	A27	CAN24-0214050-0001.C027	White plastic part
SN28	A28	CAN24-0214050-0001.C028	Beige plastic shell
SN29	A29	CAN24-0214050-0001.C029	White rubber ring
SN30	A30	CAN24-0214050-0001.C030	Transparent rubber ring
SN31	A31	CAN24-0214050-0001.C031	Transparent rubber ring
SN32	A32	CAN24-0214050-0001.C032	Beige plastic gear
SN33	A33	CAN24-0214050-0001.C033	Beige plastic part
SN34	A34	CAN24-0214050-0001.C034	White plastic part
SN35	A35	CAN24-0214050-0001.C035	Black rubber part
SN36	A36	CAN24-0214050-0001.C036	Black plastic (wire insulation)
SN37	A37	CAN24-0214050-0001.C037	Silvery metal solder
SN38	A38	CAN24-0214050-0001.C038	Beige plastic shell
SN39	A39	CAN24-0214050-0001.C039	Silvery metal rod
SN40	A40	CAN24-0214050-0001.C040	Copper-colored metal ring
SN41	A41	CAN24-0214050-0001.C041	Brown material part
SN42	A42	CAN24-0214050-0001.C042	White plastic part
SN43	A43	CAN24-0214050-0001.C043	Black plastic part
SN44	A44	CAN24-0214050-0001.C044	Silvery metal solder
SN45	A45	CAN24-0214050-0001.C045	Green "PCB"
SN46	A46	CAN24-0214050-0001.C046	Black body
SN47	A47	CAN24-0214050-0001.C047.C001	Silvery metal wire(solder)



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SN ID	Sample No.	SGS Sample ID	Description
SN48	A48	CAN24-0214050-0001.C048	Golden metal part
SN49	A49	CAN24-0214050-0001.C049	Transparent plastic part
SN50	A50	CAN24-0214050-0001.C050	White plastic part
SN51	A51	CAN24-0214050-0001.C051	White material part
SN52	A52	CAN24-0214050-0001.C052	White rubber part
SN53	A53	CAN24-0214050-0001.C053	White plastic (cable jacket)
SN54	A54	CAN24-0214050-0001.C054	Black plastic shell
SN55	A55	CAN24-0214050-0001.C055	Silvery metal shell
SN56	A56	CAN24-0214050-0001.C056	Silvery metal shell
SN57	A57	CAN24-0214050-0001.C057	White plastic shell
SN58	A58	CAN24-0214050-0001.C058	Red plastic (wire insulation)
SN59	A59	CAN24-0214050-0001.C059	White plastic (wire insulation)
SN60	A60	CAN24-0214050-0001.C060	Black plastic (wire insulation)
SN61	A61	CAN24-0214050-0001.C061	Green plastic (wire insulation)
SN62	A62	CAN24-0214050-0001.C062	White plastic part
SN63	A63	CAN24-0214050-0001.C063	White plastic part
SN64	A64	CAN24-0214050-0001.C064	Silvery metal solder
SN65	A65	CAN24-0214050-0001.C065	Golden metal pin
SN66	A66#	CAN24-0214050-0001.C066.C001	Silvery metal wire(solder)
SN67	A67	CAN24-0214050-0001.C067	Blue "PCB"
SN68	A68	CAN24-0214050-0001.C068	Black plastic part
SN69	A69	CAN24-0214050-0001.C069	Silvery metal pin
SN70	A70	CAN24-0214050-0001.C070	Golden metal pin





**Verification Result(s):**

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

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

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

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

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



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

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

Test Item(s)	A41	A42	A43	A44	A45	A46	A47	A48
Pb	BL	BL	BL	94	BL	OL▲	BL	BL
Hg	BL	BL	BL	BL	BL	BL	BL	BL
Cd	BL	BL	BL	BL	BL	BL	BL	BL
Cr(VI)▼	BL	BL	BL	BL	BL	BL	BL	BL
PBB	BL	BL	BL	---	ND	BL	---	---
PBDE	BL	BL	BL	---	ND	BL	---	---
DEHP	BL	BL	BL	---	ND	ND	---	---
BBP	BL	BL	BL	---	ND	ND	---	---
DBP	BL	BL	BL	---	ND	ND	---	---
DIBP	BL	BL	BL	---	ND	ND	---	---
Conclusion	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS

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



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Test Item(s)	A57	A58	A59	A60	A61	A62	A63	A64
Pb	BL	BL	BL	BL	BL	BL	BL	BL
Hg	BL	BL	BL	BL	BL	BL	BL	BL
Cd	BL	BL	BL	BL	BL	BL	BL	BL
Cr(VI)▼	BL	<100*	BL	BL	BL	BL	BL	BL
PBB	BL	BL	BL	BL	BL	BL	BL	---
PBDE	BL	BL	BL	BL	BL	BL	BL	---
DEHP	BL	ND	ND	ND	ND	BL	BL	---
BBP	BL	ND	ND	ND	ND	BL	BL	---
DBP	BL	ND	ND	ND	ND	BL	BL	---
DIBP	BL	ND	ND	ND	ND	BL	BL	---
Conclusion	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS

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



**Notes:**

(1) Interpretation of screening results by X-ray fluorescence spectrometry (XRF):

(a) Screening limits in mg/kg for regulated elements in various matrices according to IEC 62321-1:2013 Annex A as below table.

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

(b) If the maximum allowed level restricts PBB/PBDE and Cr(VI) rather than Br and Cr, the exceptions are the XRF determinations of Br and Cr. If the quantitative results for the elements Br and/or Cr are higher than the limit (for Br calculated based on the stoichiometry of Br in the most common congeners of PBB/PBDE), the sample is "inconclusive".

(c) Results are obtained by EDXRF for primary screening, LOD = Limit of Detection, BL = Below Limit, OL= Over Limit, IN (The symbol X marks the region)=Inconclusive, where further investigation is necessary, and further chemical testing by ICP-OES (for Cd, Pb, Hg), UV-Vis (for Cr(VI)) and GC-MS (for PBB/PBDE) are recommended to be performed.

(d) The EDXRF screening test for elements – The reading may be different to the actual content in the sample be of non-uniformity composition.

(2) Screening results of Phthalates (PHTH) below the limits are shown as "BL". Further chemical testing by GC-MS is to be performed if the results exceed limits.

Test Items	CAS No.
Bis(2-ethylhexyl) phthalate (DEHP)	117-81-7
Butyl benzyl phthalate (BBP)	85-68-7
Dibutyl phthalate (DBP)	84-74-2
Diisobutyl phthalate (DIBP)	84-69-5

(3) Interpretation of results by chemical tests:

(a) mg/kg = 0.0001%, MDL=Method detection Limit, ND = Not Detected (<MDL), --- = Not Applicable.

(b) Unit and MDL in wet chemical test

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

The MDL for single compound of PBB and PBDE is 100 mg/kg,

MDL of Cr(VI) for polymer, composite and leather sample is 10 mg/kg.

MDL of Cr(VI) for metal sample is 0.10 µg/cm².

(c) ▼ =Metal sample

a. The sample is positive for Cr(VI) if the Cr(VI) concentration is greater than 0.13 µg/cm². The sample coating is considered to contain Cr(VI).

b. The sample is negative for Cr(VI) if Cr(VI) is ND (concentration less than 0.10 µg/cm²). The coating is considered a non-Cr(VI) based coating

c. The result between 0.10 µg/cm² and 0.13 µg/cm² is considered to be inconclusive-unavoidable coating variations may influence the determination

Information on storage conditions and production date of the tested sample is unavailable and thus



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Cr(VI) results represent status of the sample at the time of testing.

- (4) Restricted substances and maximum concentration values tolerated by weight in homogeneous materials under RoHS Directive: Cd: 0.01%, Pb/Hg/Cr(VI)/PBB/PBDE/DEHP/BBP/DBP/DIBP: 0.1%. The limit is quoted from RoHS Directive (EU) 2015/863.
- (5) IEC 62321 series is equivalent to EN 62321 series.

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

(7) ▲=According to the declaration from the client, Lead (Pb) in No.A46 is exempted by EU RoHS directive 2011/65/EU based on [ANNEX III 7(c)-I]: Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectronic devices, or in a glass or ceramic matrix compound.

More information about exemption can be found via the following link:

<https://rohs.sgsonline.com.cn/PDFLinks/en/RSTS-TP-037%20RoHS%20Exemption%20%28EN%29.pdf>

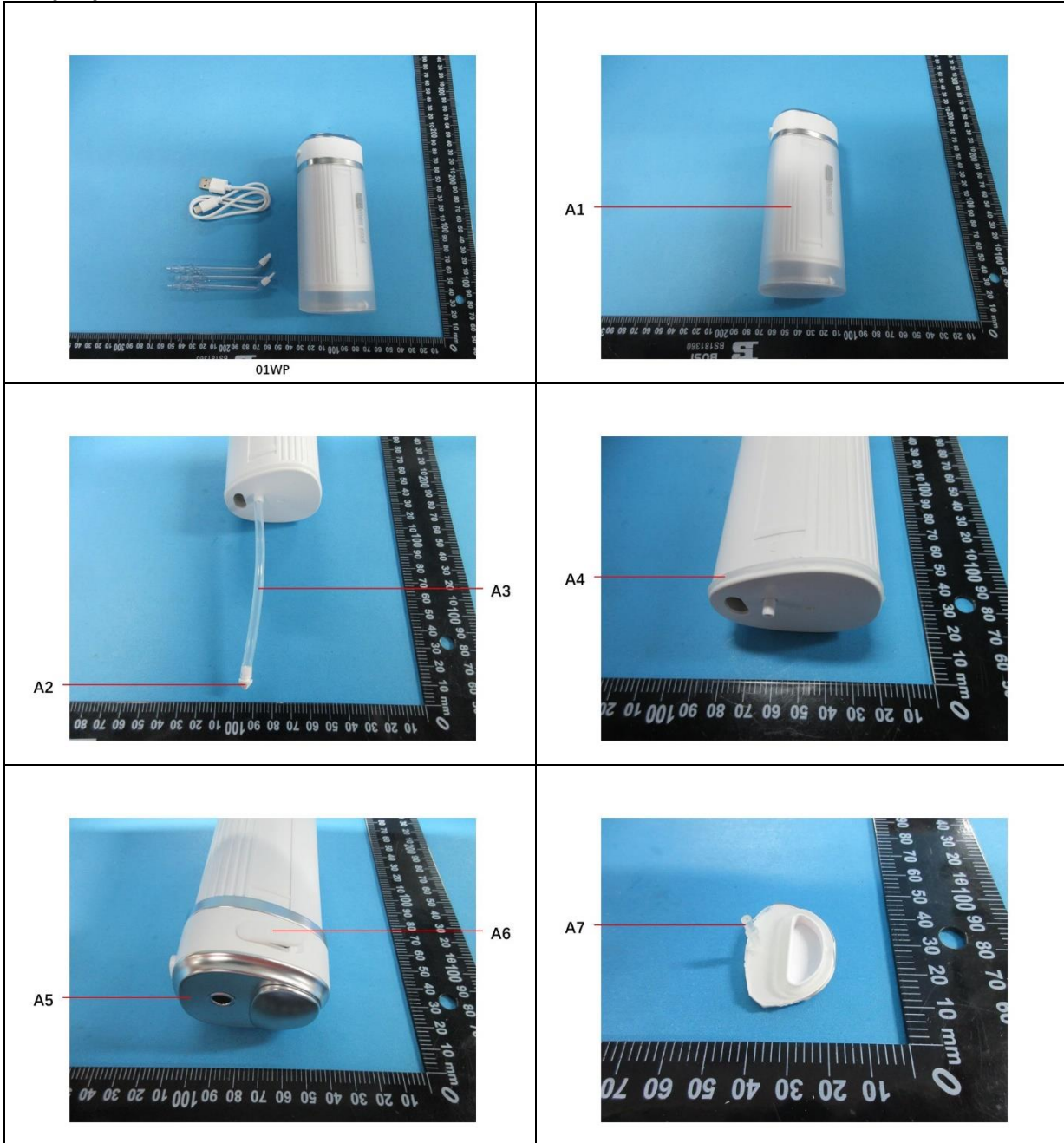
(8) #=According to the declaration from applicant, the materials of No.A66 are the same as those in No.A47, and its results for support the results of No.A66. The applicant will take the responsibility of all discrepancy and risk.

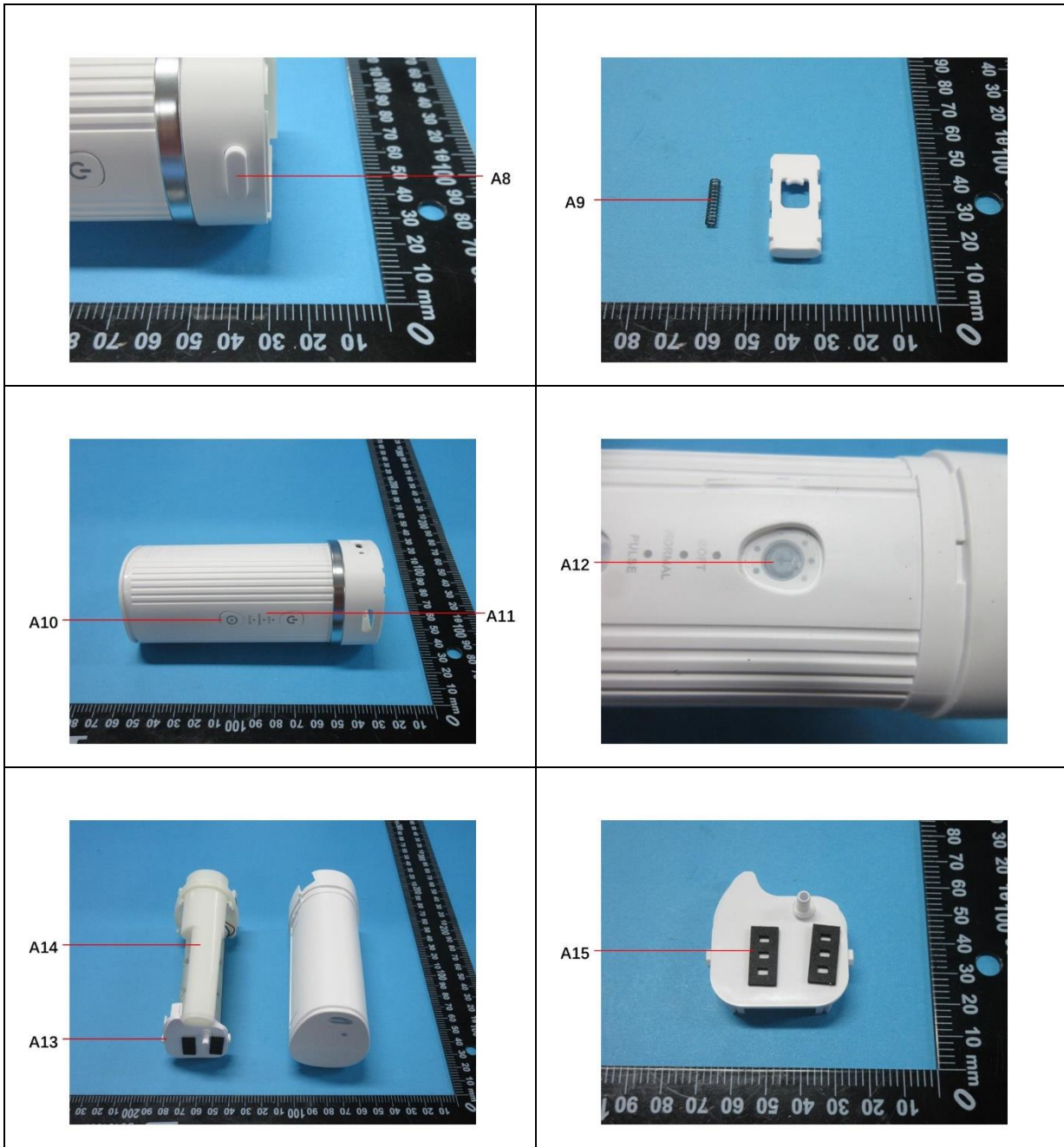
The location of performance of the laboratory activities: A. No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong; B. Room 101, Building 3, No.1501, Kaichuang Avenue, Huangpu District, Guangzhou, Guangdong

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.

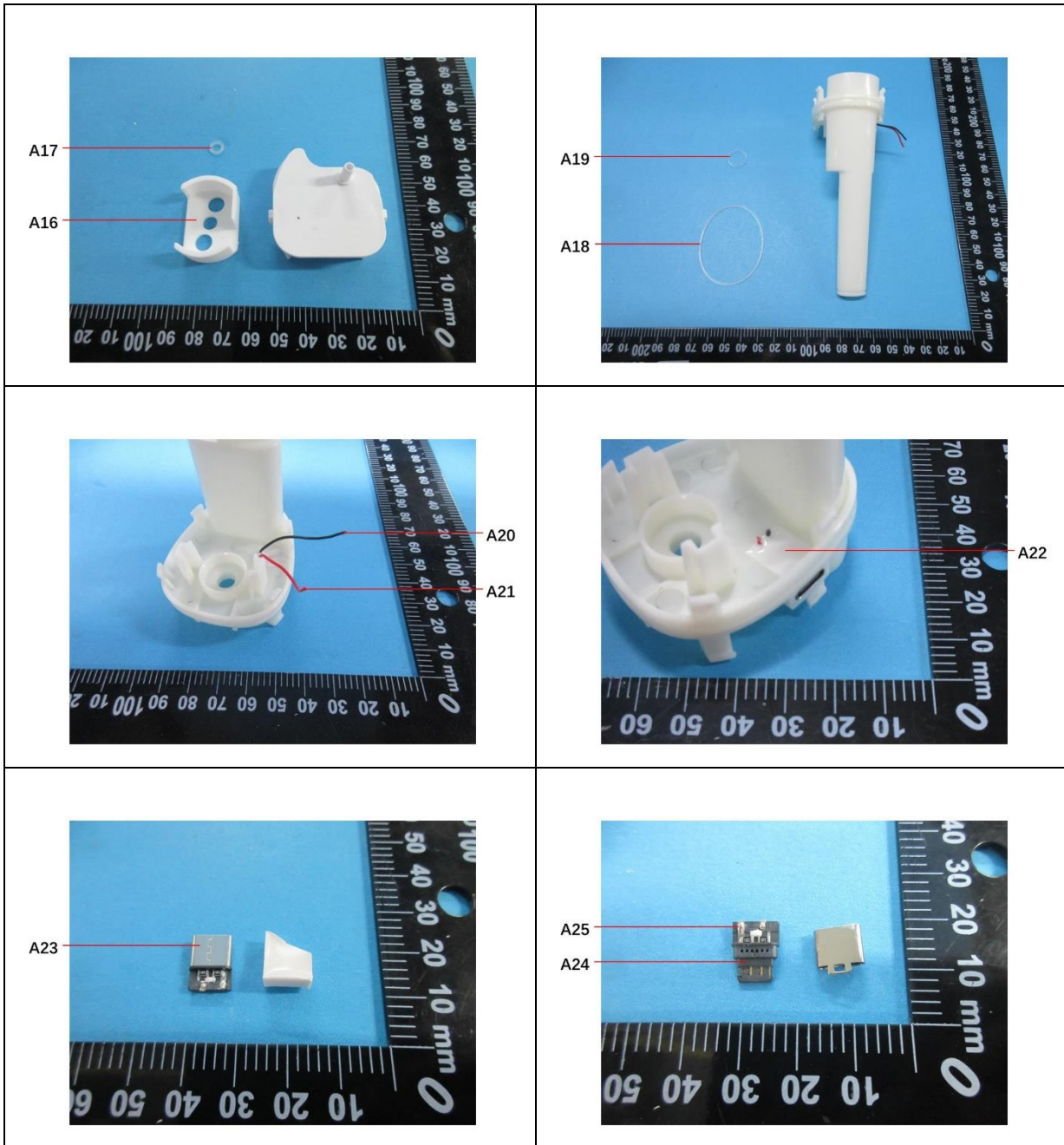


Sample photos:

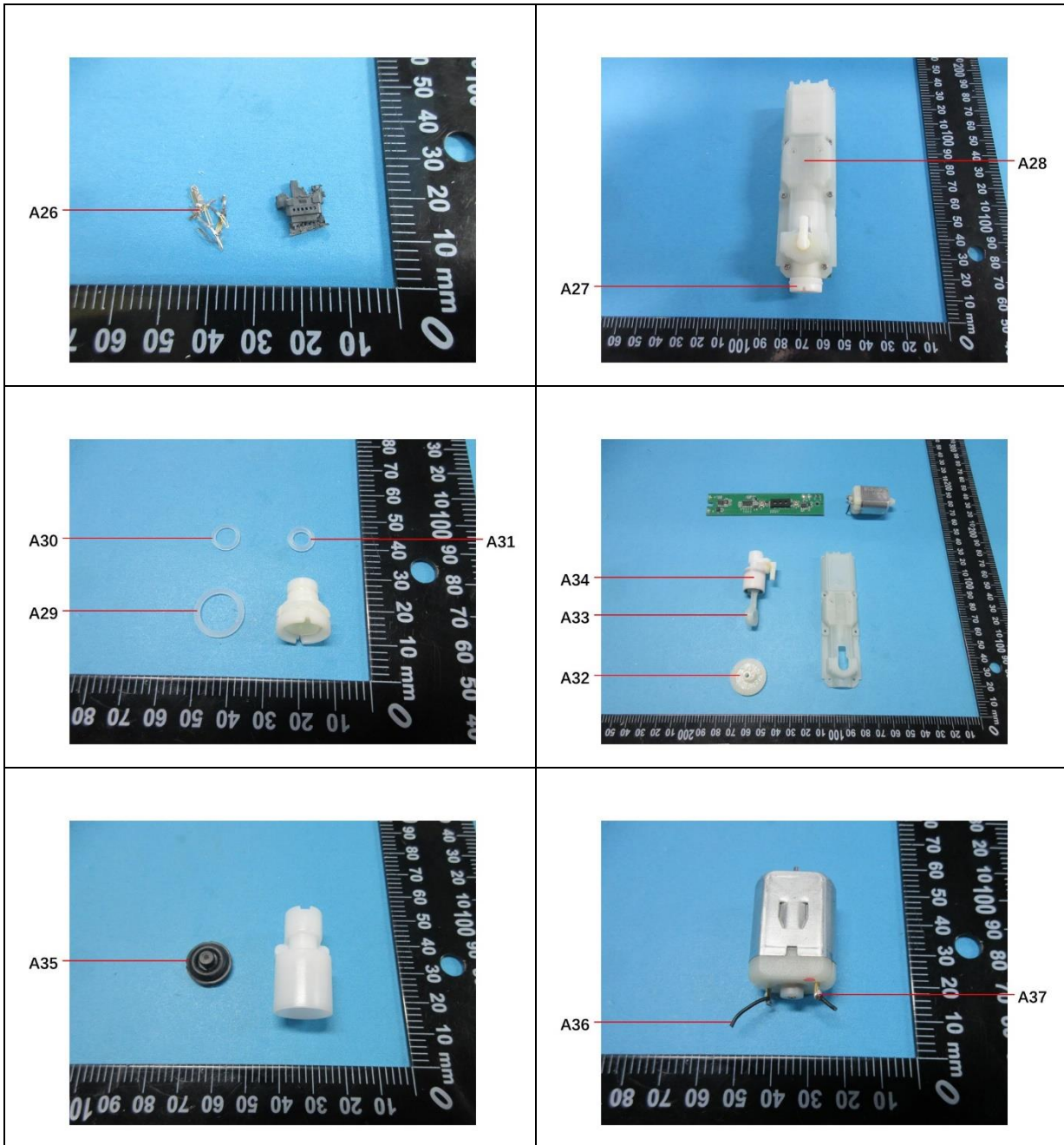


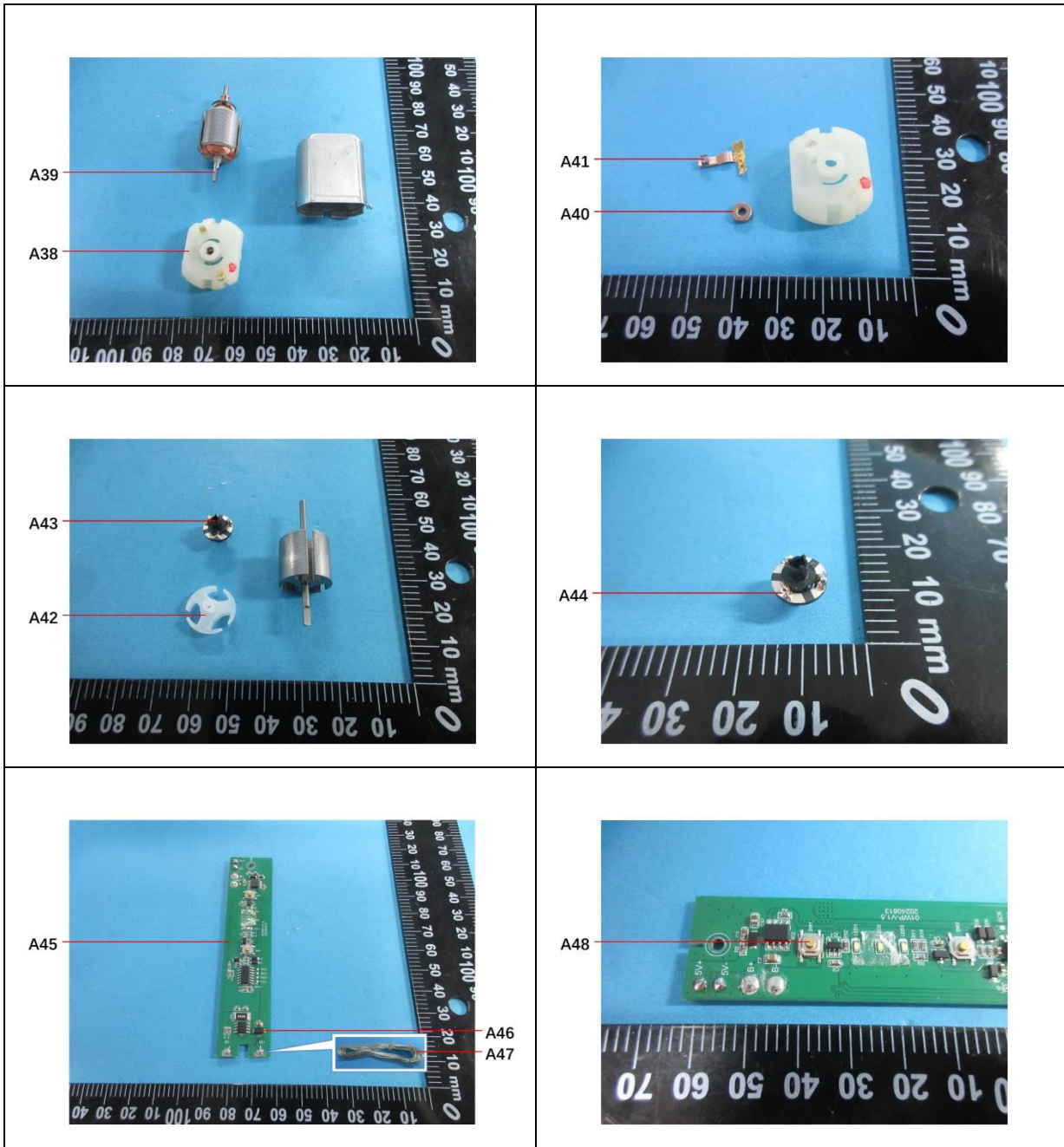




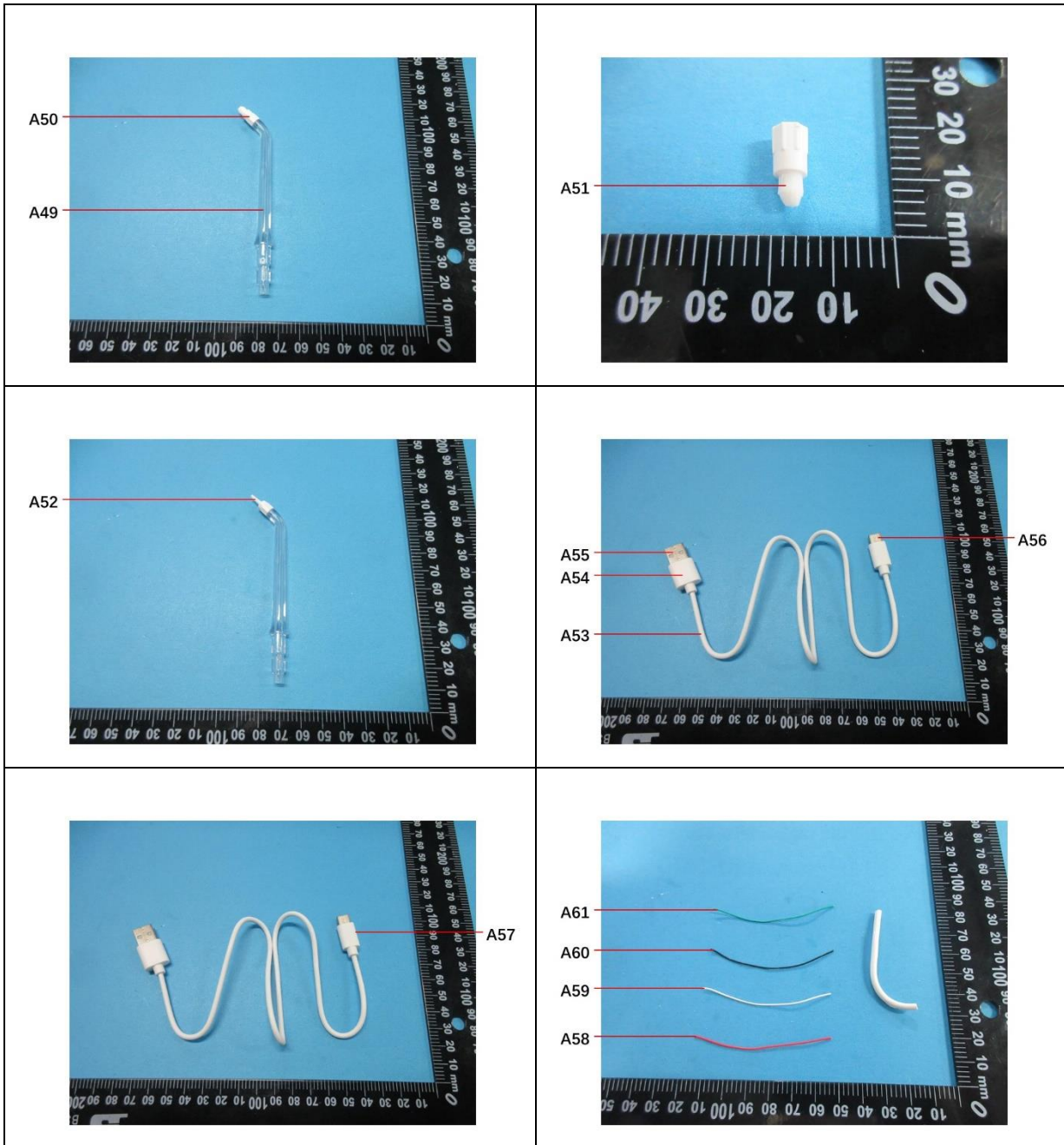


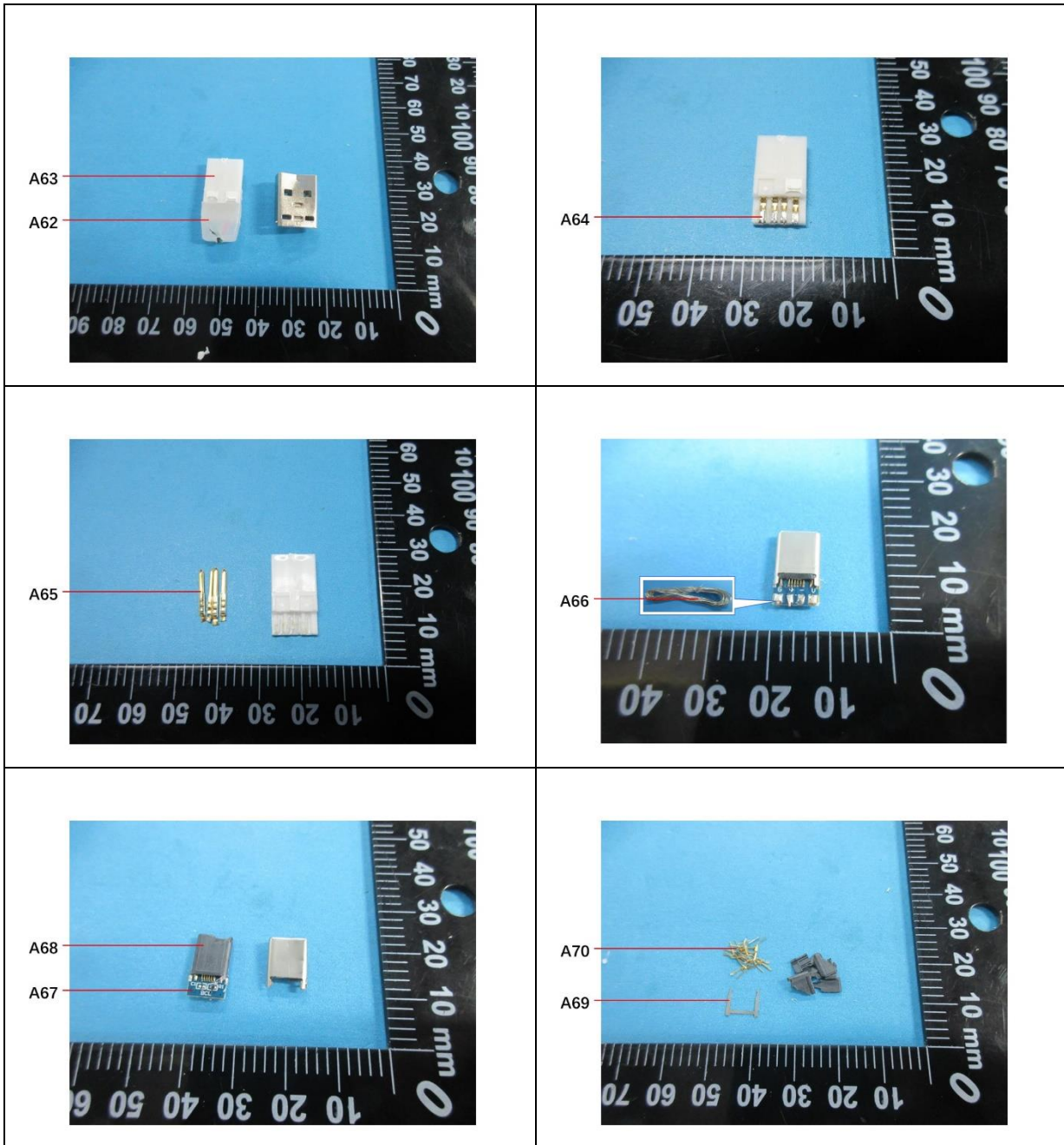












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