TEST REPORT

Report No.	:	WTN26N03078768X1C
Applicant	:	Zhongshan PeiLi Technology Co.,Ltd
Address	:	A 602, Building B, North 108 Xiaolan GongYeDaDao Xiaolan,Zhongshan, Guangdong China
Manufacturer	:	Zhongshan PeiLi Technology Co.,Ltd
Address	:	A 602, Building B, North 108 Xiaolan GongYeDaDao Xiaolan,Zhongshan, Guangdong China
Sample Name	:	Multi Function Fuel Transfer Pump
Sample Model	:	FN201, FN701, FN701C, FN802, FN802C, FN901,FN901C, FN901M
Reference Sample Model	:	Refer to following pages
Test Requested	:	As applicant's requirement, in accordance with the RoHS Directive 2011/65/EU and its amendment (EU) No. 2015/863, to determine the Lead (Pb), Cadmium (Cd), Mercury (Hg), Hexavalent chromium [Cr (VI)], polybrominated biphenyls (PBBs), polybrominated diphenyl ethers (PBDEs), dibutyl phthalate (DBP), butyl benzyl phthalate (BBP), di (2-ethylhexyl) phthalate (DEHP), diisobutyl phthalate (DIBP) content in the submitted sample
Test Conclusion	:	**PASS** (Please refer to following pages for details)
Date of Receipt sample	:	2026/1/20
Testing period	:	2026/1/20~2026/1/26
Date of Issue	:	2026/3/30
Test Result	:	Refer to following pages

Prepared By:

Waltek Testing Group (Ningbo) Co., Ltd.

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Signed for and on behalf of
Waltek Testing Group (Ningbo) Co., Ltd.

WTN26N03078768X1C

Test Results:

1.Lead, Mercury, Cadmium, Hexavalent Chromium, PBBs and PBDEs:

Test Method:

(1) With reference to IEC 62321-3-1:2013, screening - Lead, Mercury, Cadmium, total Chromium and total Bromine by X-ray fluorescence spectrometry;

(2) With reference to IEC 62321-4:2013+AMD1:2017 CSV, determination of Mercury by ICP-OES;

(3) With reference to IEC 62321-5:2013, determination of Lead and Cadmium by ICP-OES;

(4) With reference to IEC 62321-7-2:2017 and IEC 62321-7-1:2015, determination of Hexavalent Chromium by UV-VIS;

(5) With reference to IEC 62321-6:2015, determination of PBBs and PBDEs by GC-MS.

Unit: mg/kg

Part No.	Part description	Result of EDX					Result of Wet Chemical Testing	Conclusion
		Cd	Pb	Hg	Cr	Br		
1	Silvery sticker with red and green printing	BL	BL	BL	BL	BL	---	**PASS**
2	Silvery label paper with black printing	BL	BL	BL	BL	BL	---	**PASS**
3	Grey plastic shell	BL	BL	BL	BL	BL	---	**PASS**
4	Black plastic shell	BL	BL	BL	BL	BL	---	**PASS**
5	Silvery metal solder	BL	BL	BL	BL	N/A	---	**PASS**
6	Silvery metal sheet	BL	BL	BL	BL	N/A	---	**PASS**
7	Silvery metal spring	BL	BL	BL	BL	N/A	---	**PASS**
8	Silvery metal screw	BL	BL	BL	IN	N/A	Cr (VI): Negative	**PASS**
9	Black silicone pad	BL	BL	BL	BL	BL	---	**PASS**
10	White soft glue	BL	BL	BL	BL	BL	---	**PASS**
11	Silvery metal wire core	BL	BL	BL	BL	N/A	---	**PASS**
12	Black plastic wire jacket	BL	BL	BL	BL	BL	---	**PASS**
13	Red plastic wire jacket	BL	BL	BL	BL	BL	---	**PASS**
14	Green circuit board	BL	BL	BL	BL	IN	PBBs: ND PBDEs: ND	**PASS**
15	Silvery metal solder	BL	BL	BL	BL	N/A	---	**PASS**

Part No.	Part description	Result of EDX					Result of Wet Chemical Testing	Conclusion
		Cd	Pb	Hg	Cr	Br		
16	Black patch resistor	BL	BL	BL	BL	IN	PBBs: ND PBDEs: ND	**PASS**
17	black switch	BL	BL	BL	BL	BL	---	**PASS**
18	Black inductor	BL	BL	BL	BL	IN	PBBs: ND PBDEs: ND	**PASS**
19	Black patch triode	BL	BL	BL	BL	IN	PBBs: ND PBDEs: ND	**PASS**
20	Black plastic parts	BL	BL	BL	BL	IN	PBBs: ND PBDEs: ND	**PASS**
21	Silvery metal gasket	BL	BL	BL	IN	N/A	Cr (VI): Negative	**PASS**
22	Black silicone ring	BL	BL	BL	BL	BL	---	**PASS**
23	Transparent plastic pipe	BL	BL	BL	BL	BL	---	**PASS**
24	Black plastic cover	BL	BL	BL	BL	BL	---	**PASS**
25	Black silicone plug	BL	BL	BL	BL	BL	---	**PASS**
26	Black silicone plug	BL	BL	BL	BL	BL	---	**PASS**
27	Transparent plastic cover	BL	BL	BL	BL	BL	---	**PASS**
28	Black electronic component	BL	BL	BL	BL	BL	---	**PASS**
29	Black silicone plug	BL	BL	BL	BL	BL	---	**PASS**
30	Red plastic wire jacket	BL	BL	BL	BL	BL	---	**PASS**
31	White plastic wire jacket	BL	BL	BL	BL	BL	---	**PASS**
32	Black plastic wire jacket	BL	BL	BL	BL	BL	---	**PASS**
33	Copper metal wire core	BL	BL	BL	BL	N/A	---	**PASS**
34	White plastic wire jacket	BL	BL	BL	BL	BL	---	**PASS**
35	Silvery metal shell	BL	BL	BL	BL	N/A	---	**PASS**
36	Silvery metal card spring	BL	BL	BL	BL	N/A	---	**PASS**

Part No.	Part description	Result of EDX					Result of Wet Chemical Testing	Conclusion
		Cd	Pb	Hg	Cr	Br		
37	Copper metal ring	BL	BL	BL	BL	N/A	---	**PASS**
38	Black metal magnet	BL	BL	BL	BL	N/A	---	**PASS**
39	Silvery metal shaft	BL	BL	BL	BL	N/A	---	**PASS**
40	Silvery metal lamination	BL	BL	BL	IN	N/A	Cr (VI): Negative	**PASS**
41	White plastic cover	BL	BL	BL	BL	IN	PBBs: ND PBDEs: ND	**PASS**
42	Silvery metal solder	BL	BL	BL	BL	N/A	---	**PASS**
43	Black plastic shell	BL	BL	BL	BL	BL	---	**PASS**
44	Red plastic shell	BL	BL	BL	BL	BL	---	**PASS**
45	Red silicone pad	BL	BL	BL	BL	BL	---	**PASS**
46	Silvery metal rod	BL	BL	BL	IN	N/A	Cr (VI): Negative	**PASS**
47	Black plastic cover	BL	BL	BL	BL	BL	---	**PASS**
48	Copper metal clip	BL	BL	BL	BL	N/A	---	**PASS**
49	Red plastic cover	BL	BL	BL	BL	BL	---	**PASS**
50	Silvery metal solder	BL	BL	BL	BL	N/A	---	**PASS**
51	Black plastic wire jacket	BL	BL	BL	BL	BL	---	**PASS**
52	Copper metal wire core	BL	BL	BL	BL	N/A	---	**PASS**
53	Red plastic wire jacket	BL	BL	BL	BL	BL	---	**PASS**
54	Black plastic shell	BL	BL	BL	BL	BL	---	**PASS**
55	Silvery metal ring	BL	BL	BL	BL	N/A	---	**PASS**
56	Black plastic bracket	BL	BL	BL	BL	IN	PBBs: ND PBDEs: ND	**PASS**
57	Silvery metal shell	BL	BL	BL	IN	N/A	Cr (VI): Negative	**PASS**

Part No.	Part description	Result of EDX					Result of Wet Chemical Testing	Conclusion
		Cd	Pb	Hg	Cr	Br		
58	White plastic bracket	BL	BL	BL	BL	BL	---	**PASS**
59	white plastic shell	BL	BL	BL	BL	BL	---	**PASS**
60	Silvery metal solder	BL	BL	BL	BL	N/A	---	**PASS**
61	Green circuit board	BL	BL	BL	BL	IN	PBBs: ND PBDEs: ND	**PASS**
62	Black plastic shell	BL	BL	BL	BL	BL	---	**PASS**
63	White plastic wire jacket	BL	BL	BL	BL	BL	---	**PASS**
64	Red plastic wire jacket	BL	BL	BL	BL	BL	---	**PASS**
65	Black plastic wire jacket	BL	BL	BL	BL	BL	---	**PASS**
66	Blue plastic shell	BL	BL	BL	BL	BL	---	**PASS**
67	Silvery metal screw	BL	BL	BL	IN	N/A	Cr (VI): Negative	**PASS**
68	Silvery metal spring	BL	BL	BL	IN	N/A	Cr (VI): Negative	**PASS**
69	Orange plastic button	BL	BL	BL	BL	BL	---	**PASS**
70	Black buzzer	BL	BL	BL	BL	IN	PBBs: ND PBDEs: ND	**PASS**
71	Black electronic component	BL	BL	BL	BL	IN	PBBs: ND PBDEs: ND	**PASS**

2.Phthalates:

Test Method:

With reference to IEC 62321-8:2017, determination of Phthalates content by GC-MS.

Unit: mg/kg

Serial No.	Part No.	Results				Conclusion
		DBP	BBP	DEHP	DIBP	
T01	1+2+9△	ND	ND	ND	ND	**PASS**
T02	3+4+20+24+27△	ND	ND	ND	ND	**PASS**
T03	10+12+13△	ND	ND	ND	ND	**PASS**

Serial No.	Part No.	Results				Conclusion
		DBP	BBP	DEHP	DIBP	
T04	14+16+17+18+19△	ND	ND	ND	ND	**PASS**
T05	22+23+25△	ND	ND	ND	ND	**PASS**
T06	26+29+30△	ND	ND	ND	ND	**PASS**
T07	28+61+70+71△	ND	ND	ND	ND	**PASS**
T08	31+32+34△	ND	ND	ND	ND	**PASS**
T09	41+43+44+56+58△	ND	ND	ND	ND	**PASS**
T10	45+47+49△	ND	ND	ND	ND	**PASS**
T11	51+53+54△	ND	ND	ND	ND	**PASS**
T12	59+63+64△	ND	ND	ND	ND	**PASS**
T13	62+66+69△	ND	ND	ND	ND	**PASS**
T14	65	ND	ND	ND	ND	**PASS**

Notes:

(1) EDX test:

(a) For the restricted substances PBBs/PBDEs, the EDX results show the total Br content; for the restricted substance Cr (VI), the EDX results show the total Cr content;

(b) Results were obtained by EDX for primary screening, and further chemical testing are recommended to be performed, if the concentration exceeds the below warning value according to IEC 62321-3-1:2013;

Unit: mg/kg

Elements	Polymers	Metals	Composite material
Pb	BL≤(700-3σ)<X<(1300+3σ)≤OL	BL≤(700-3σ)<X<(1300+3σ)≤OL	BL≤(500-3σ)<X<(1500+3σ)≤OL
Cd	BL≤(70-3σ)<X<(130+3σ)≤OL	BL≤(70-3σ)<X<(130+3σ) ≤OL	LOD<X<(150+3σ) ≤OL
Hg	BL≤(700-3σ)<X<(1300+3σ) ≤OL	BL≤(700-3σ)<X<(1300+3σ) ≤OL	BL≤(500-3σ)<X<(1500+3σ)≤OL
Cr	BL≤(700-3σ)<X	BL≤(700-3σ)<X	BL≤(500-3σ)<X
Br	BL≤(300-3σ)<X	---	BL≤(250-3σ)<X

(c) BL=Below Limit by EDX analysis, OL=Over Limit by EDX analysis, IN=Inconclusive, LOD = The limit of detection, "---" = Not regulated, X=need further chemical analysis;

(d) For composite material, the EDX results may be different to the actual content in the sample.

(2) Chemical test and Regulatory limits:

Test Items		CAS No.	MDL	Limit (by weight in homogeneous materials)
Pb		---	2 mg/kg	1000 mg/kg
Cd		---	2 mg/kg	100 mg/kg
Hg		---	2 mg/kg	1000 mg/kg
Cr (VI)	Metal	---	0.10 μg/cm^2	1000 mg/kg
	Others	---	8 mg/kg	
PBBs		---	5 mg/kg (Each)	1000 mg/kg (Sum)
PBDEs		---	5 mg/kg (Each)	1000 mg/kg (Sum)
Dibutyl phthalate (DBP)		(84-74-2)	50 mg/kg	1000 mg/kg
Benzyl butyl phthalate (BBP)		(85-68-7)	50 mg/kg	1000 mg/kg
Di(2-ethylhexyl) phthalate (DEHP)		(117-81-7)	50 mg/kg	1000 mg/kg
Di-iso-butyl phthalate (DIBP)		(84-69-5)	50 mg/kg	1000 mg/kg

(3) According to IEC 62321-7-1:2015, determined of Cr (VI) on metal sample by boiling water extraction test method, and result is shown as Positive/Negative.

Boiling water extraction:

Negative = Absence of Cr (VI) coating, the detected concentration in boiling water extraction solution is less than 0.10ug/cm^2.

Positive = Presence of Cr (VI) coating, the detected concentration in boiling water extraction solution is greater than 0.13ug/cm^2.

When the concentration of Cr (VI) is between 0.10ug /cm^2 and 0.13ug /cm^2, it is not possible to directly determine whether Cr (VI) is detected.

Because different individuals may influence the determination results of the surface of the sample differences.

(4) ND = Not Detected;

(5) mg/kg = milligram per kilogram = ppm (parts per million);

(6) μg/cm^2 = microgram per square centimetre;

(7) MDL = Method Detection Limit;

(8) "---" = Not regulated;

(9) N/A = Not Applicable;

(10) △= As client's requirement, the testing was conducted based on mixed components. Results are calculated by the minimum weight of mixed components.

Sample Photo(s):

FN201A
WTN26N03078768X1C

FN701C

FN701C

FN802A

FN901A

FN901C

FN901

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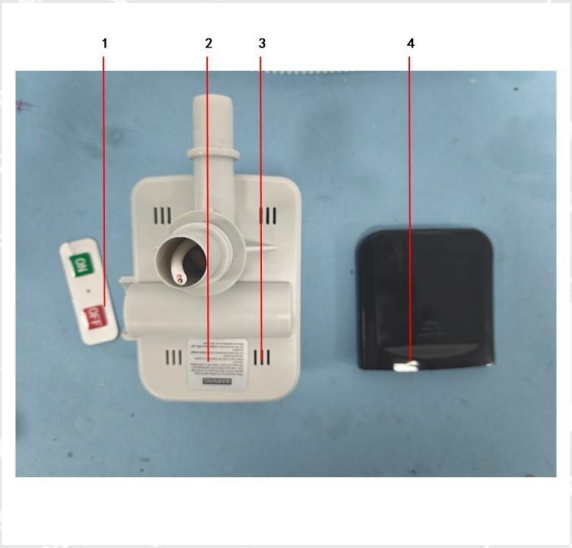

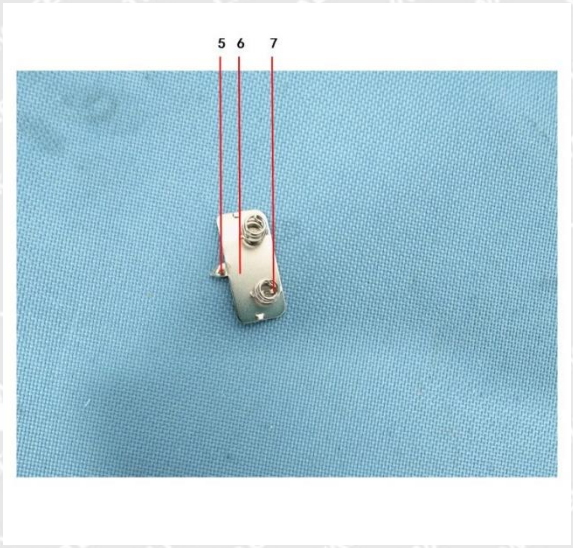

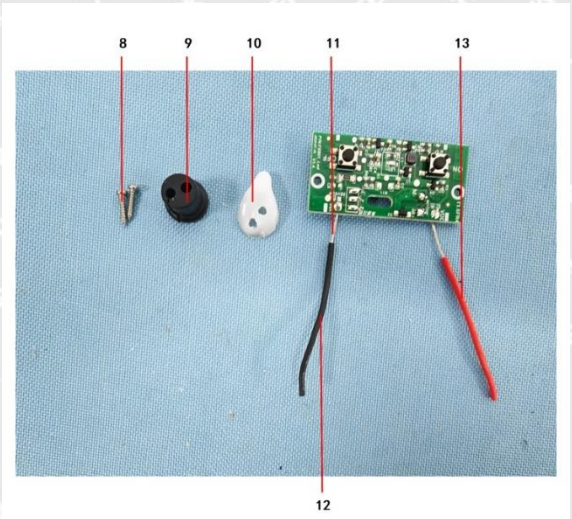

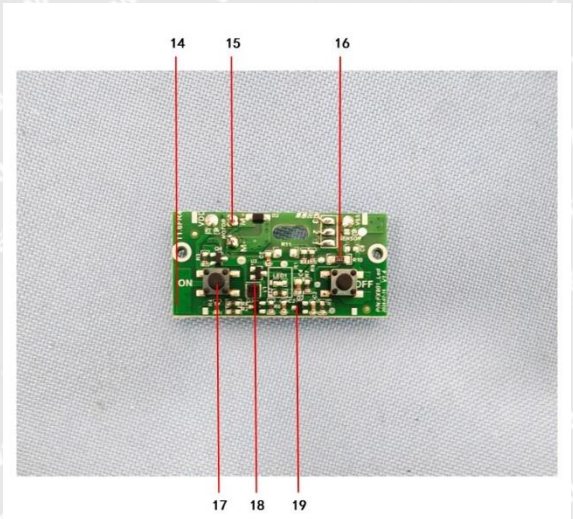

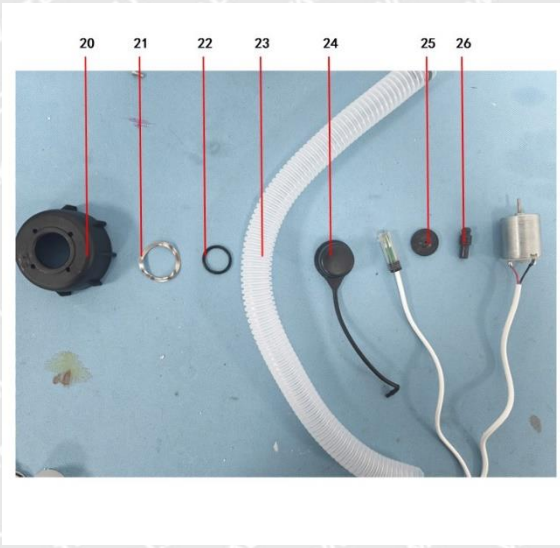
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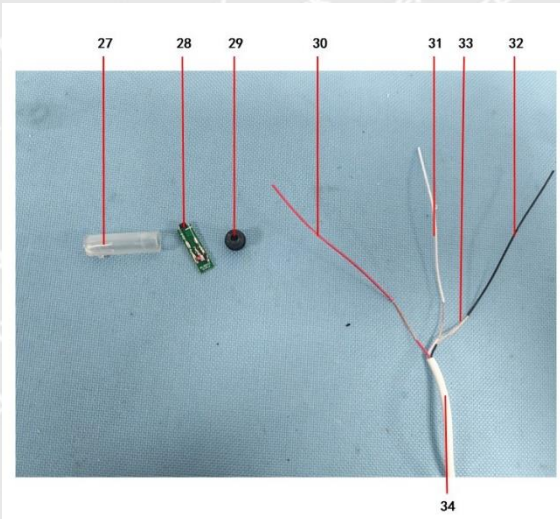
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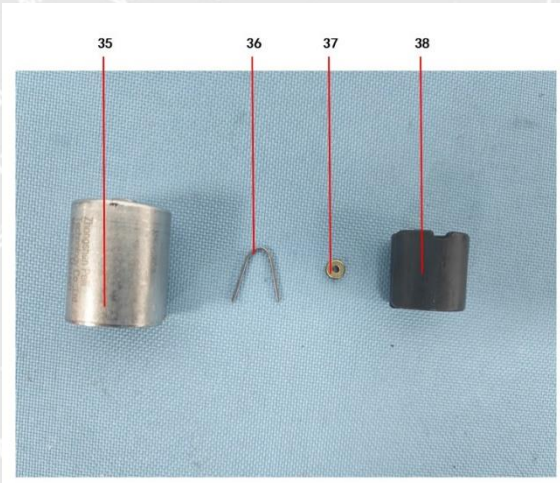
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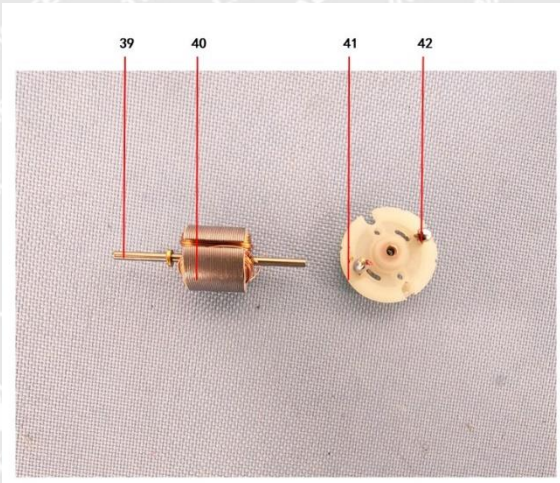
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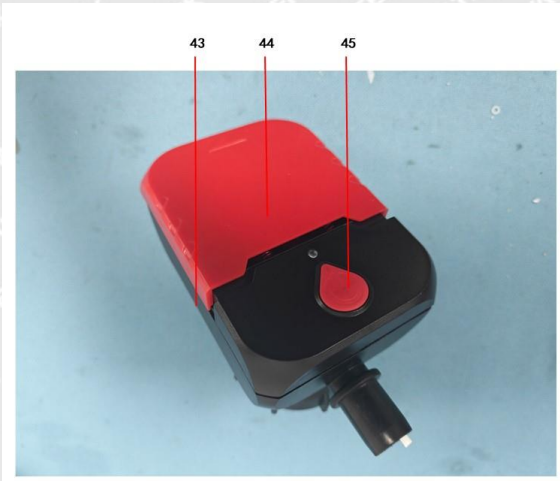
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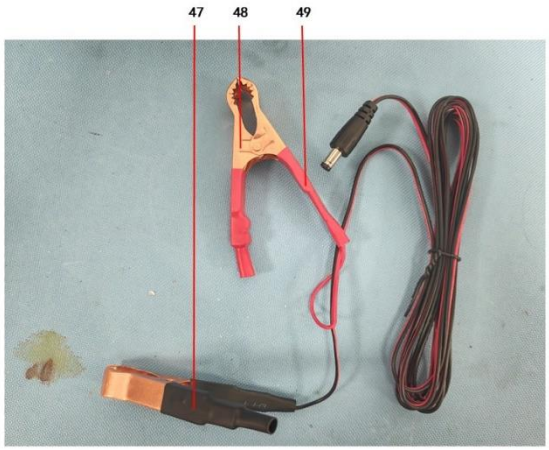
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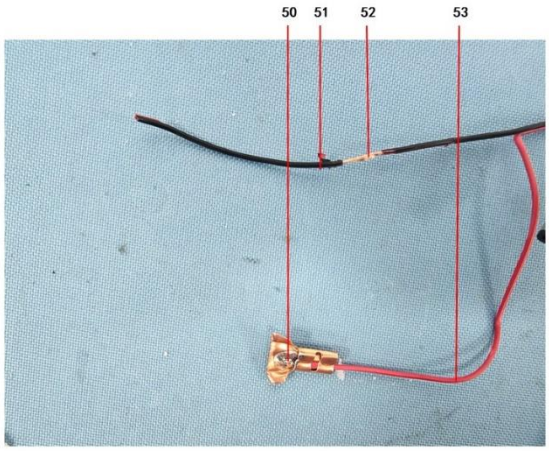
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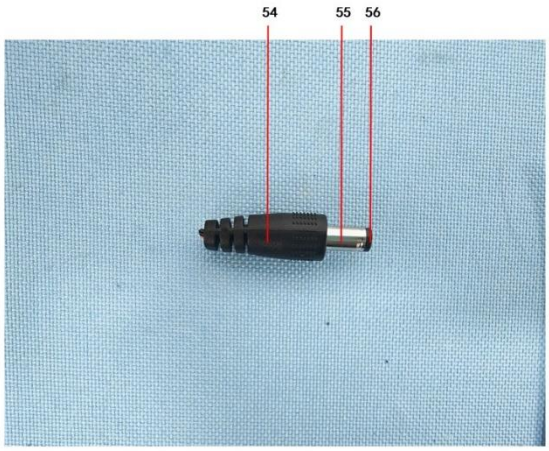
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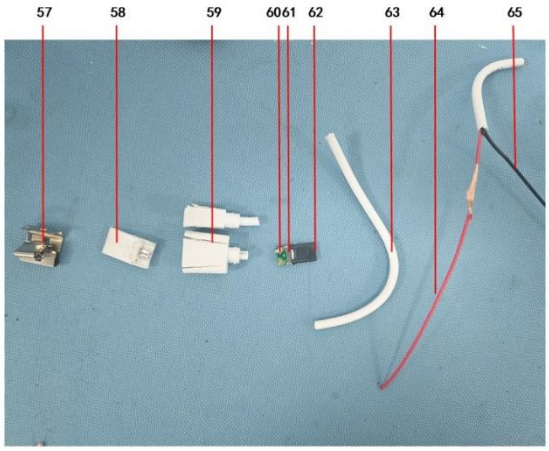
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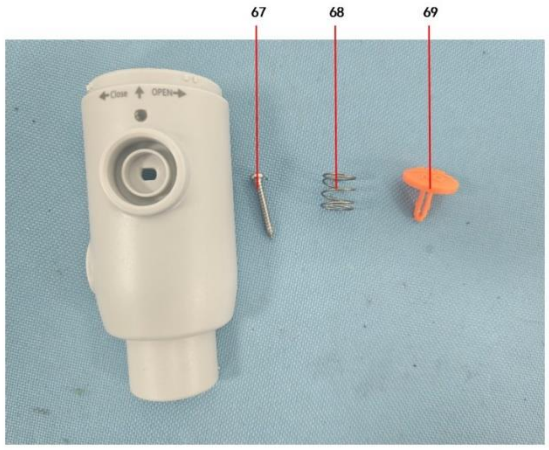
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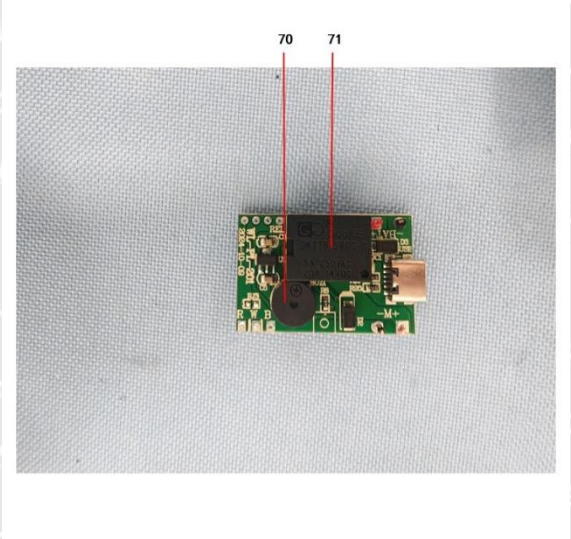
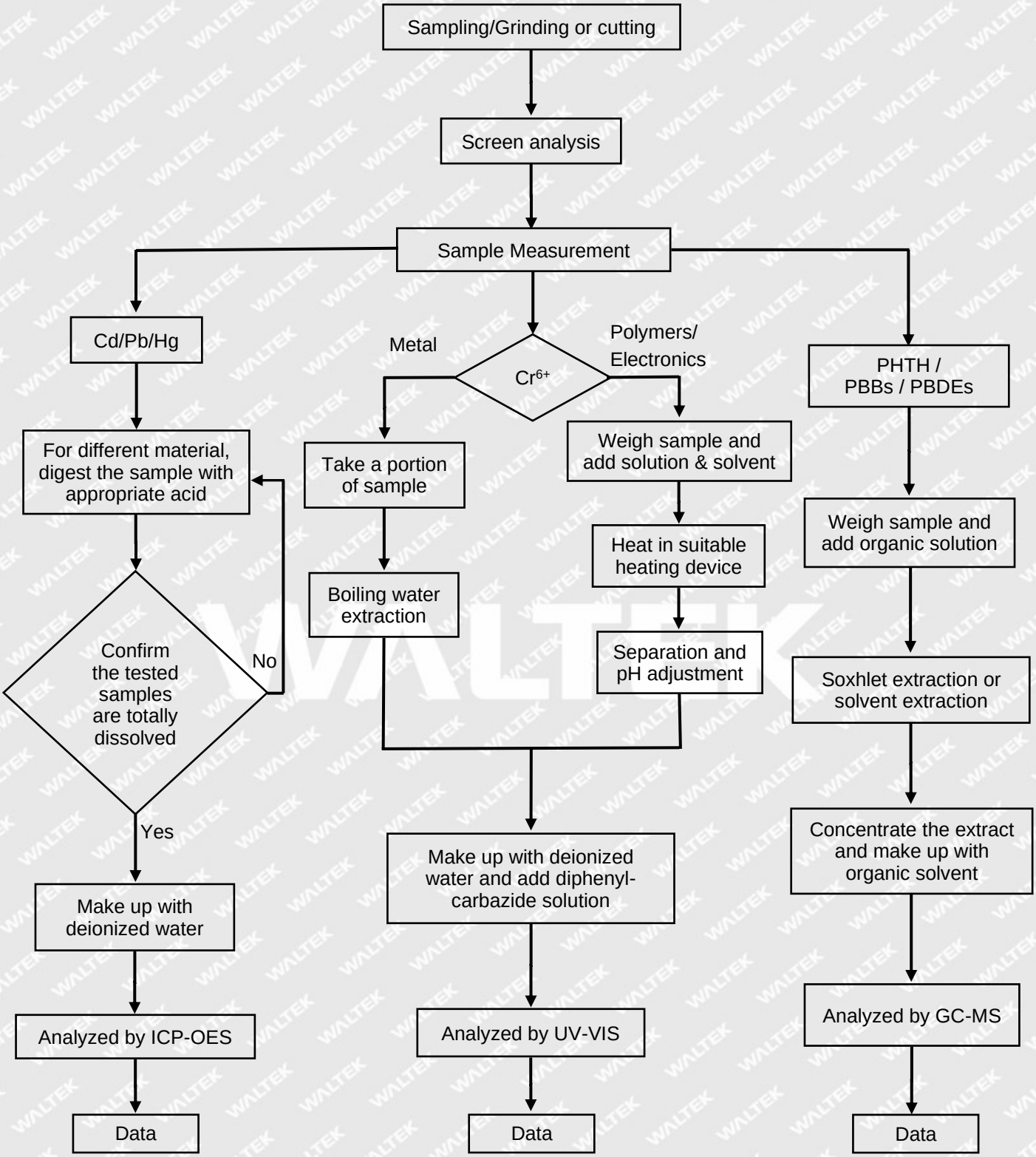
 70 71	/

Test Flow Chart:



Remarks:

1. The results shown in this test report refer only to the sample(s) tested;
2. This test report cannot be reproduced, except in full, without prior written permission of the company;
3. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver;
4. The Applicant name and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which Waltek hasn't verified; The reference model samples have not been tested;
5. If the report is not stamped with the accreditation recognized seal, it will only be used for scientific research, education, and internal quality control activities, and is not used for the purpose of issuing supporting data to the society;
6. The test components in this report are designated by the client;
7. As specified by client, this report is based on Report No. WTN26N03078768C for revising, and replaced Report No. WTN26N03078768C.

======End of Report ======

APPENDIX

Reference Sample Model:

No.	Model	Rated Input	Rated Current	Remark
1	FN101	3Vdc-20Vdc	0.9-4.0A	/
2	FN102	3Vdc-20Vdc	0.9-4.0A	/
3	FN103	3Vdc-20Vdc	0.9-4.0A	/
4	FN104	3Vdc-20Vdc	0.9-4.0A	/
5	FN105	3Vdc-20Vdc	0.9-4.0A	/
6	FN106	3Vdc-20Vdc	0.9-4.0A	/
7	FN107	3Vdc-20Vdc	0.9-4.0A	/
8	FN108	3Vdc-20Vdc	0.9-4.0A	/
9	FN109	3Vdc-20Vdc	0.9-4.0A	/
10	FN201	3Vdc-20Vdc	0.9-4.0A	/
11	FN202	3Vdc-20Vdc	0.9-4.0A	/
12	FN203	3Vdc-20Vdc	0.9-4.0A	/
13	FN204	3Vdc-20Vdc	0.9-4.0A	/
14	FN205	3Vdc-20Vdc	0.9-4.0A	/
15	FN206	3Vdc-20Vdc	0.9-4.0A	/
16	FN207	3Vdc-20Vdc	0.9-4.0A	/
17	FN208	3Vdc-20Vdc	0.9-4.0A	/
18	FN209	3Vdc-20Vdc	0.9-4.0A	/
19	FN301	3Vdc-20Vdc	0.9-4.0A	/
20	FN302	3Vdc-20Vdc	0.9-4.0A	/
21	FN303	3Vdc-20Vdc	0.9-4.0A	/
22	FN304	3Vdc-20Vdc	0.9-4.0A	/
23	FN305	3Vdc-20Vdc	0.9-4.0A	/
24	FN306	3Vdc-20Vdc	0.9-4.0A	/
25	FN307	3Vdc-20Vdc	0.9-4.0A	/
26	FN308	3Vdc-20Vdc	0.9-4.0A	/
27	FN309	3Vdc-20Vdc	0.9-4.0A	/
28	FN401	3Vdc-20Vdc	0.9-4.0A	/
29	FN402	3Vdc-20Vdc	0.9-4.0A	/
30	FN403	3Vdc-20Vdc	0.9-4.0A	/
31	FN404	3Vdc-20Vdc	0.9-4.0A	/
32	FN405	3Vdc-20Vdc	0.9-4.0A	/
33	FN406	3Vdc-20Vdc	0.9-4.0A	/
34	FN407	3Vdc-20Vdc	0.9-4.0A	/
35	FN408	3Vdc-20Vdc	0.9-4.0A	/
36	FN409	3Vdc-20Vdc	0.9-4.0A	/
37	FN501	3Vdc-20Vdc	0.9-4.0A	/
38	FN502	3Vdc-20Vdc	0.9-4.0A	/
39	FN503	3Vdc-20Vdc	0.9-4.0A	/
40	FN504	3Vdc-20Vdc	0.9-4.0A	/

No.	Model	Rated Input	Rated Current	Remark
41	FN505	3Vdc-20Vdc	0.9-4.0A	/
42	FN506	3Vdc-20Vdc	0.9-4.0A	/
43	FN507	3Vdc-20Vdc	0.9-4.0A	/
44	FN508	3Vdc-20Vdc	0.9-4.0A	/
45	FN509	3Vdc-20Vdc	0.9-4.0A	/
46	FN601	3Vdc-20Vdc	0.9-4.0A	/
47	FN602	3Vdc-20Vdc	0.9-4.0A	/
48	FN603	3Vdc-20Vdc	0.9-4.0A	/
49	FN604	3Vdc-20Vdc	0.9-4.0A	/
50	FN605	3Vdc-20Vdc	0.9-4.0A	/
51	FN606	3Vdc-20Vdc	0.9-4.0A	/
52	FN607	3Vdc-20Vdc	0.9-4.0A	/
53	FN608	3Vdc-20Vdc	0.9-4.0A	/
54	FN609	3Vdc-20Vdc	0.9-4.0A	/
55	FN701	3Vdc-20Vdc	0.9-4.0A	/
56	FN702	3Vdc-20Vdc	0.9-4.0A	/
57	FN703	3Vdc-20Vdc	0.9-4.0A	/
58	FN704	3Vdc-20Vdc	0.9-4.0A	/
59	FN705	3Vdc-20Vdc	0.9-4.0A	/
60	FN706	3Vdc-20Vdc	0.9-4.0A	/
61	FN707	3Vdc-20Vdc	0.9-4.0A	/
62	FN708	3Vdc-20Vdc	0.9-4.0A	/
63	FN709	3Vdc-20Vdc	0.9-4.0A	/
64	FN801	3Vdc-20Vdc	0.9-4.0A	/
65	FN802	3Vdc-20Vdc	0.9-4.0A	/
66	FN803	3Vdc-20Vdc	0.9-4.0A	/
67	FN804	3Vdc-20Vdc	0.9-4.0A	/
68	FN805	3Vdc-20Vdc	0.9-4.0A	/
69	FN806	3Vdc-20Vdc	0.9-4.0A	/
70	FN807	3Vdc-20Vdc	0.9-4.0A	/
71	FN808	3Vdc-20Vdc	0.9-4.0A	/
72	FN809	3Vdc-20Vdc	0.9-4.0A	/
73	FN901	3Vdc-20Vdc	0.9-4.0A	/
74	FN902	3Vdc-20Vdc	0.9-4.0A	/
75	FN903	3Vdc-20Vdc	0.9-4.0A	/
76	FN904	3Vdc-20Vdc	0.9-4.0A	/
77	FN905	3Vdc-20Vdc	0.9-4.0A	/
78	FN906	3Vdc-20Vdc	0.9-4.0A	/
79	FN907	3Vdc-20Vdc	0.9-4.0A	/
80	FN908	3Vdc-20Vdc	0.9-4.0A	/
81	FN909	3Vdc-20Vdc	0.9-4.0A	/

No.	Model	Rated Input	Rated Current	Remark
82	FT701	3Vdc-20Vdc	0.9-4.0A	/
83	FT702	3Vdc-20Vdc	0.9-4.0A	/
84	FT703	3Vdc-20Vdc	0.9-4.0A	/
85	FT704	3Vdc-20Vdc	0.9-4.0A	/
86	FT705	3Vdc-20Vdc	0.9-4.0A	/
87	FT706	3Vdc-20Vdc	0.9-4.0A	/
88	FT707	3Vdc-20Vdc	0.9-4.0A	/
89	FT708	3Vdc-20Vdc	0.9-4.0A	/
90	FT709	3Vdc-20Vdc	0.9-4.0A	/
91	F*abcd	3Vdc-20Vdc	0.9-4.0A	/

Remark:
*: A-Z, represents the type of model;
a: 0-9, represents the series of model;
b: 0-9, represents the different models of same series;
c: 0-9, represents the different models of same series;
d: A-Z, represents the appearance of different nozzle;

Client's reference photo(Non-tested sample):

FN101

FN101C

FN301

FN401

FN401

FN401

FN401

FN401

FN501

FN601

FN701

FN802C

 **FT705**	 **FT705**