TEST REPORT

Applicant: Guangzhou Myteck Machinery Co., Ltd
Address: B215, 38 Shishan Road, Zhujiang Village, Huangpu District, Guangzhou, Guangdong Province, China 510799

Manufacturer: Guangzhou Myteck Machinery Co., Ltd
Address: B215, 38 Shishan Road, Zhujiang Village, Huangpu District, Guangzhou, Guangdong Province, China 510799

The following samples were submitted and identified on behalf of the clients as:

Sample name: Hydrogen Water bottle
Brand: /
Model(s): MT-H267C（主测）,MT-H206 , MT-H265, MT-H266C, MT-H266D , MT-H267 ,MT-H268 , MT-H269 ,MT-H222, MT-H223A , MT-H223 , MT-H225A , MT-H225, MT-H226 , MT-HT2 , MT-HT3, MT-HT6, MT-H106A
Batch No.: /
Sample received date: Mar. 06, 2024
Testing period: Mar. 06, 2024 to Mar. 19, 2024
Test Method: Please refer to next page(s).
Test Result: Please refer to next page(s).

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Result Summary :

Test Requested	Conclusion
European Directive 2011/65/EU and amendment (EU) 2015/863 on the restriction of the use of certain hazardous substances in electrical and electronic equipment	PASS

Tested By:	Check By:	Approve By:
Bow Lu	Roy Liao	

Date: May 22, 2024

Test Method:

A. Screening test by XRF spectroscopy

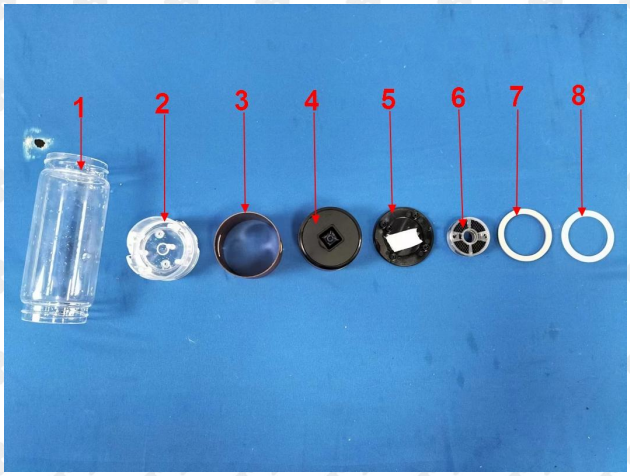
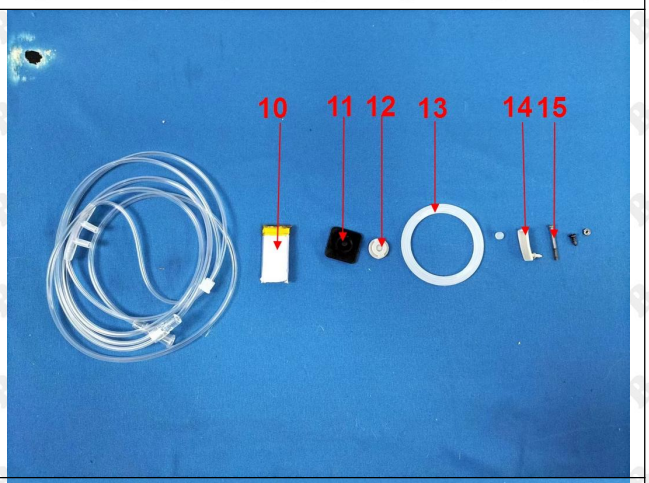
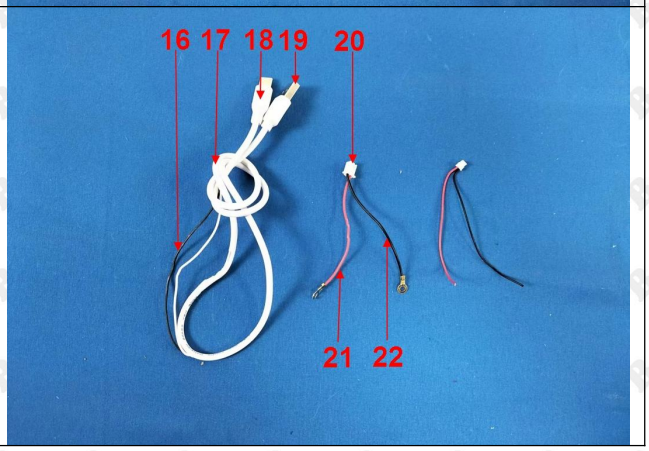
XRF screening limits for regulated elements according to IEC 62321-3-1:2013

Element	Screening limit / mg/kg		MDL	
	Polymers and metals	Composite material	Polymers	Other material
Pb	BL≤(700-3σ) <X <(1300+3σ) ≤OL	BL≤(500-3σ)<X <(1500+3σ) ≤OL	10mg/kg	50mg/kg
Cd	BL≤(70-3σ)<X <(130+3σ) ≤OL	LOD≤(50-3σ)<X <(150+3σ) ≤OL	10mg/kg	50mg/kg
Hg	BL≤(700-3σ)<X <(1300+3σ) ≤OL	BL≤(500-3σ)<X <(1500+3σ) ≤OL	10mg/kg	50mg/kg
Cr	BL≤(700-3σ)< X	BL≤(500-3σ)< X	10mg/kg	50mg/kg
Br	BL≤(300-3σ)< X (non-metal only)	BL≤(250-3σ)< X	10mg/kg	50mg/kg

B. Chemical Test

Test Item(s)	Test Method	Analysis Equipment(s)	MDL	Limit
Lead (Pb)	IEC 62321-5:2013	ICP-OES	2 mg/kg	1000mg/kg
Cadmium (Cd)	IEC 62321-5:2013	ICP-OES	2 mg/kg	100mg/kg
Mercury (Hg)	IEC 62321-4:2013+AMD1:2017	ICP-OES	2 mg/kg	1000mg/kg
Hexavalent Chromium Cr(VI)	IEC 62321-7-1:2015	UV-VIS	- -	1000mg/kg
	IEC 62321-7-2:2017		8 mg/kg	1000mg/kg
Polybrominated Biphenyls (PBBs)	IEC 62321-6:2015	GC-MS	50mg/kg	1000mg/kg
Polybrominated Diphenyl Ethers (PBDEs)	IEC 62321-6:2015	GC-MS	50mg/kg	1000mg/kg
Phthalate	IEC 62321-8:2017	GC-MS	50mg/kg	1000mg/kg

Tested material list

No.	Description	Photo(s) of tested material
1	Transparent glass	
2	Transparent plastic cover	
3	Copper metal	
4	Black plastic	
5	Black plastic	
6	Black plastic	
7	Grey rubber	
8	White rubber	
10	Silver foil	
11	Black rubber	
12	Grey rubber	
13	Translucent rubber seal ring	
14	Grey rubber	
15	Grey metal	
16	Black plastic wire skin	
17	White plastic wire skin	
18	White plastic head	
19	Silver metal	
20	White plastic cable clamp	
21	Red plastic wire skin	

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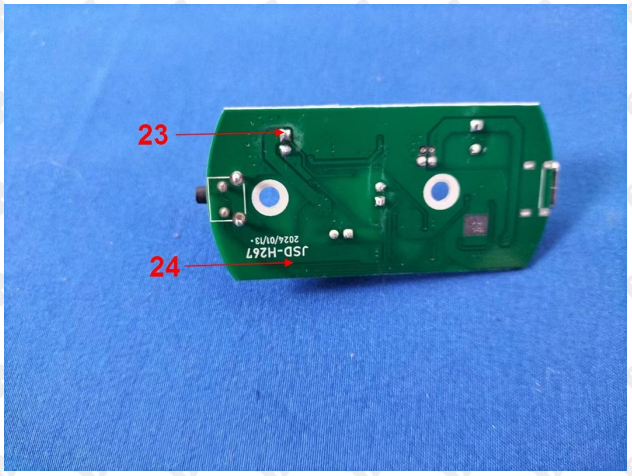
22	Black plastic wire skin	
23	Solder point	
24	Green PCB	

Note: test samples were specified by applicant.

Test Result(s):

No.	XRF screening Result					Chemical confirm Result (mg/kg)	Remark	Conclusion
	Pb	Cd	Hg	Cr	Br			
1	BL	BL	BL	BL	BL	---	---	PASS
2	BL	BL	BL	BL	BL	---	---	PASS
3	BL	BL	BL	BL	NA	---	---	PASS
4	BL	BL	BL	BL	BL	---	---	PASS
5	BL	BL	BL	BL	BL	---	---	PASS
6	BL	BL	BL	BL	BL	---	---	PASS
7	BL	BL	BL	BL	BL	---	---	PASS
8	BL	BL	BL	BL	BL	---	---	PASS
10	BL	BL	BL	BL	NA	---	---	PASS
11	BL	BL	BL	BL	BL	---	---	PASS
12	BL	BL	BL	BL	BL	---	---	PASS
13	BL	BL	BL	BL	BL	---	---	PASS
14	BL	BL	BL	BL	BL	---	---	PASS

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15	BL	BL	BL	BL	NA	---	---	**PASS**
16	BL	BL	BL	BL	BL	---	---	**PASS**
17	BL	BL	BL	BL	BL	---	---	**PASS**
18	BL	BL	BL	BL	BL	---	---	**PASS**
19	BL	BL	BL	BL	NA	---	---	**PASS**
20	BL	BL	BL	BL	BL	---	---	**PASS**
21	BL	BL	BL	BL	BL	---	---	**PASS**
22	BL	BL	BL	BL	BL	---	---	**PASS**
23	BL	BL	BL	BL	NA	---	---	**PASS**
24	BL	BL	BL	BL	19780	PBB&PBDE:N.D	---	**PASS**

Test Item(s)	**Dibutyl Phthalate (DBP) (mg/kg)**	**Benzylbutyl Phthalate (BBP) (mg/kg)**	**Bis-(2-ethylhexyl) Phthalate (DEHP) (mg/kg)**	**Diisobutyl phthalate（DIBP） (mg/kg)**	**Conclusion**
CAS No.	**84-74-2**	**85-68-7**	**117-81-7**	**84-69-5**	
Limit	**1000**	**1000**	**1000**	**1000**	
No.	**Result (mg/kg)**				
1	N.D	N.D	N.D	N.D	**PASS**
2+4	N.D	N.D	N.D	N.D	**PASS**
5+6+20	N.D	N.D	N.D	N.D	**PASS**
7+8+11	N.D	N.D	N.D	N.D	**PASS**
12+13+14	N.D	N.D	N.D	N.D	**PASS**
16+17+18	N.D	N.D	N.D	N.D	**PASS**
21+22	N.D	N.D	N.D	N.D	**PASS**
24	N.D	N.D	N.D	N.D	**PASS**

Remark:

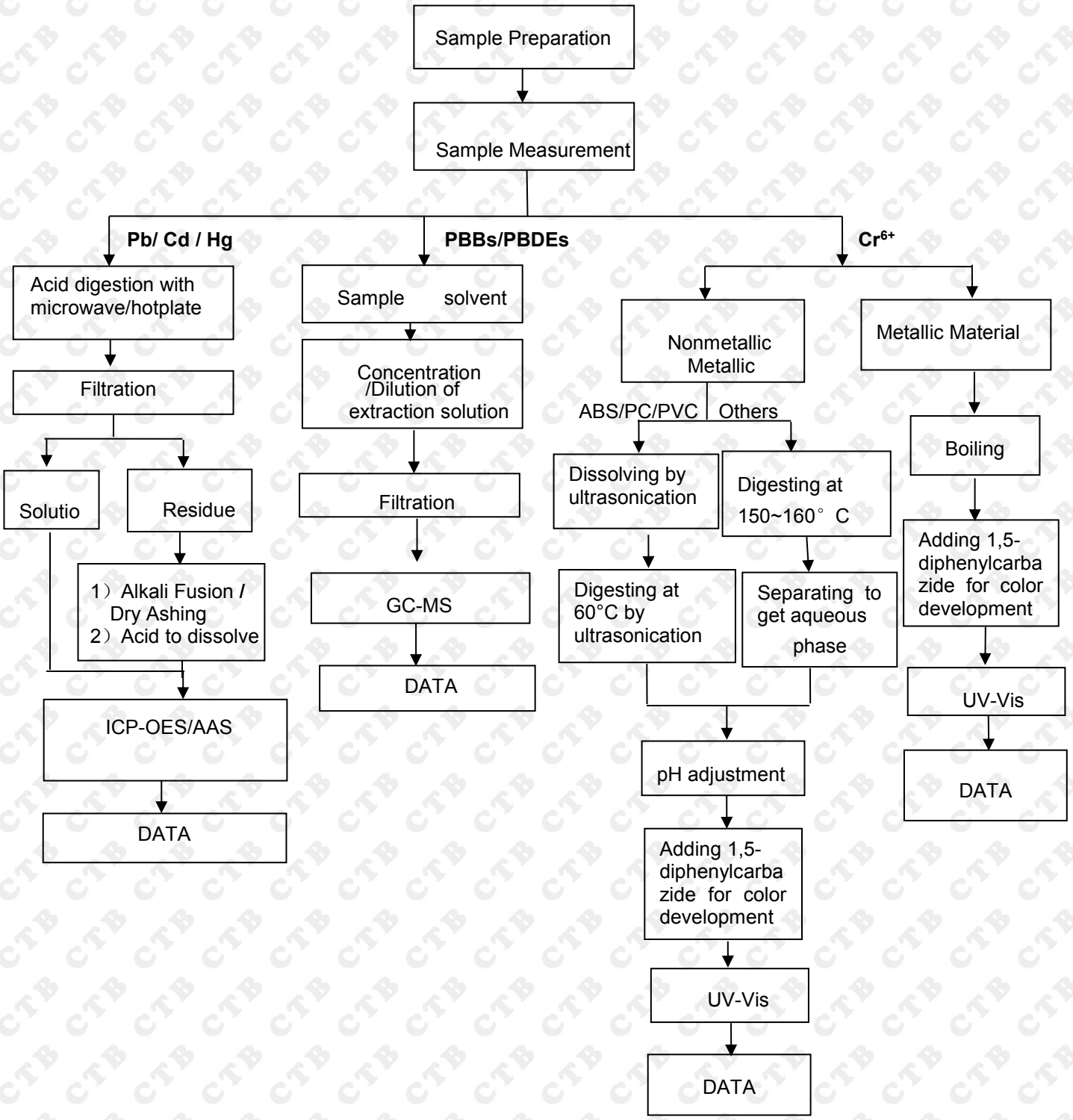
1. BL = below the limit
2. OL = over the limit
3. X = inconclusive, chemical confirm test is needed
4. NA = metal not applicable
5. mg/kg = milligram per kilogram = ppm
6. N.D = not detected
7. Negative = Absence of Cr(VI), the detected Cr(VI) concentration in the boiling water extraction solution is less than 0.1μg/cm^2 with 50cm^2 sample surface area used.
8. Positive = Presence of Cr(VI), the detected Cr(VI) concentration in the boiling water extraction solution is equal to or greater than 0.13μg/$cm^2$with 50cm^2
9. sample surface area used.The limit for composite test should be divided by the mixed number.

Note:

1. When perform screening tests, it is the result on total Br while test item on restricted substances is PBBs/PBDEs, it is the result on total Cr while test item on restricted substances is Cr^{6+}.
2. Pb, Cd, Hg, Cr and Br results are obtained by EDXRF for primary screening, and further chemical testing by ICP-OES (for Cd, Pb, Hg), UV-VIS (for Cr^{6+}) and GC-MS (for PBBs, PBDEs) is needed to be performed, if the concentration falls into the inconclusive area according to IEC 62321-3-1:2013.
3. For the XRF screening test for RoHS elements, the reading may be different to the actual content in the sample be of non-uniformity composition.

Test flow chart

1.Pb/Cd/Hg/Cr^{6+}/PBBs/PBDEs



2. Phthalate test flow chart

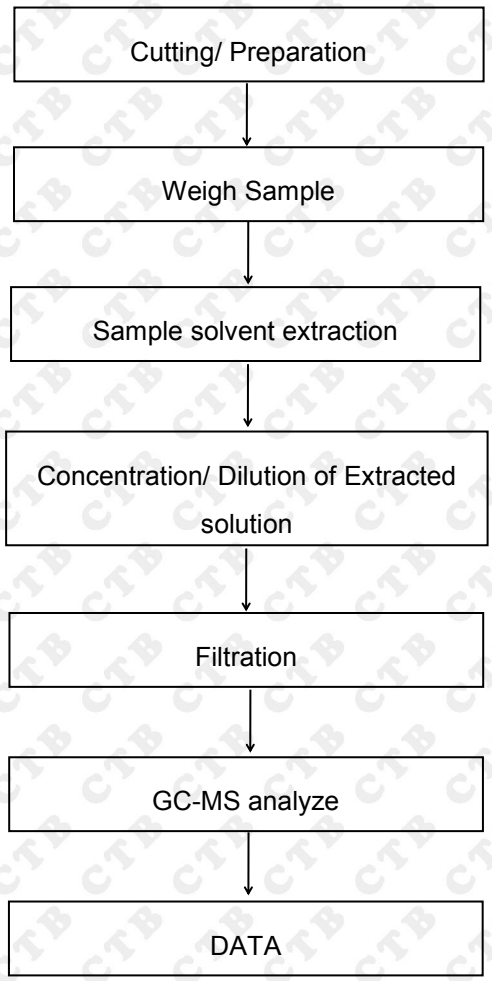
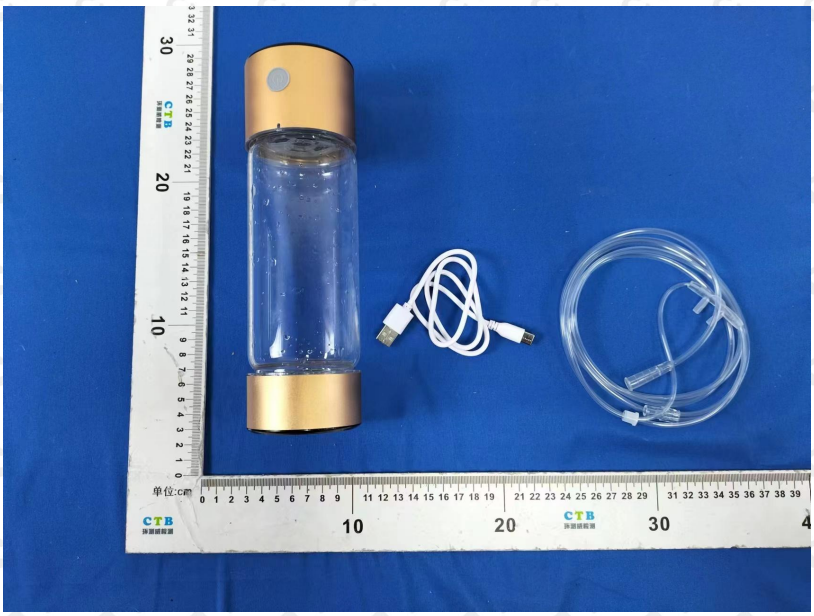
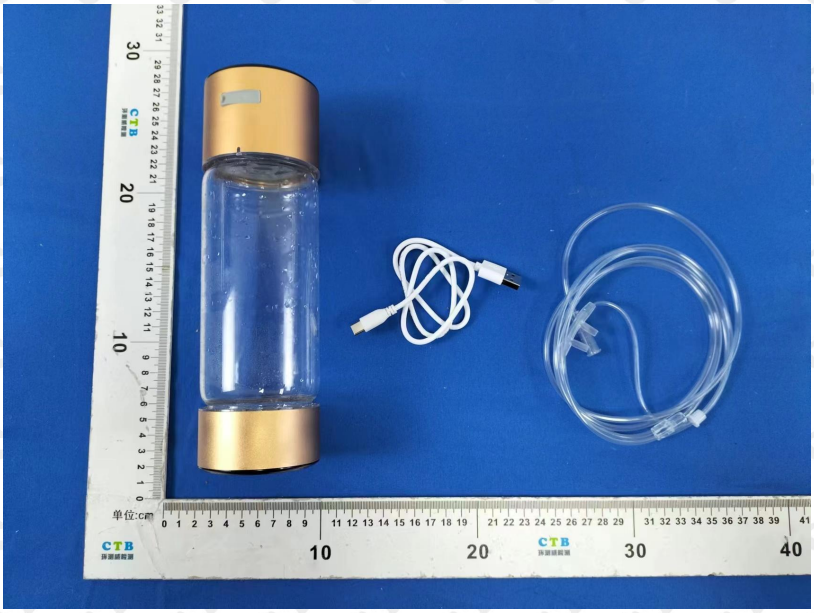


Photo documentation





*** End of Report ***

Note: If there is any objection to the inspection results in this report, please submit a written report to the company within 15 days from the date of receiving the report. The test report is effective only with both signature and specialized stamp. This result(s) shown in this report refer only to the sample(s) tested. Without written approval of Shenzhen CTB Testing Technology Co., Ltd. this report can't be reproduced except in full. The tested sample(s) and the sample information are provided by the client. "★" indicates the testing items were fulfilled by subcontracted lab. "※" indicates the items are not in CNAS accreditation scope.