



Test Report

Applicant's name.....: YJK Technology(SHENZHEN) Co.,Limited
Address.....: Room 502, No. 1, East Longxing Science and Technology Park, Huaning Road, Xinshi Community, Dalang Street, Longhua District, Shenzhen
Manufacturer: YJK Technology(SHENZHEN) Co.,Limited
Address.....: Room 502, No. 1, East Longxing Science and Technology Park, Huaning Road, Xinshi Community, Dalang Street, Longhua District, Shenzhen
Trade Mark.....: N/A
Test item description: Heating Massage Blade
Model/Type reference.....: YJK152
Date of receipt of test item.....: Oct. 10, 2024
Date(s) of performance of tests.....: Oct. 10, 2024 - Oct. 21, 2024
Date of report.....: Oct. 22, 2024

Test Requested:

1. As specified by client ,to screen Lead(Pb),Cadmium(Cd),Mercury(Hg), Chromium(Cr)and Bromine(Br)in the submitted sample(s)by XRF.
2. As specified by client ,when screening results exceed the XRF screening limit in IEC62321:2013 Edition 1.0,further use of wet chemical methods are required to test Lead(Pb),Cadmium(Cd),Mercury(Hg),Hexavalent Chromium(Cr(VI)),Polybrominated Biphenyls(PBBs),Polybrominated Diphenyl Ethers(PBDEs),Polybrominated diphenyl ethers (PBDEs) and Phthalates such as Bis(2-ethylhexyl) phthalate (DEHP) ,Butyl benzyl phthalate (BBP), Dibutylphthalate (DBP) ,and Diisobutyl phthalate (DIBP) in the submitted sample(s).

Test Results: Pass**Conclusion:**

The test results comply with the limits of RoHS 2.0 Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU.

Signed for and on behalf of Lintek.

Jemmy Yan
PSQ Executive



Test Report

No.	Sample Description	Test item	XRF Result	Chemical Test (mg/kg)	Conclusion
1	Black plastic	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP\BBP\DEHP\DIBP)	--	N.D.	
2	White plastic	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP\BBP\DEHP\DIBP)	--	N.D.	
3	Silver plastic	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP\BBP\DEHP\DIBP)	--	N.D.	
4	Mylar sheet	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP\BBP\DEHP\DIBP)	--	N.D.	

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Test Report

No.	Sample Description	Test item	XRF Result	ChemicalTest (mg/kg)	Conclusion
5	Screen printing	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP\BBP \DEHP\DIBP)	--	N.D.	
6	Metal	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP\BBP \DEHP\DIBP)	--	N.D.	
7	Foam	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP\BBP \DEHP\DIBP)	--	N.D.	
8	Screw	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP\BBP \DEHP\DIBP)	--	N.D.	

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No.	Sample Description	Test item	XRF Result	Chemical Test (mg/kg)	Conclusion
9	Tape	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP\BBP\DEHP\DIBP)	--	N.D.	
10	Metal	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP\BBP\DEHP\DIBP)	--	N.D.	
11	Yellow tape	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP\BBP\DEHP\DIBP)	--	N.D.	
12	Plastic of red wire	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP\BBP\DEHP\DIBP)	--	N.D.	

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No.	Sample Description	Test item	XRF Result	Chemical Test (mg/kg)	Conclusion
13	Plastic of black wire	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP\BBP\DEHP\DIBP)	--	N.D.	
14	Plastic of yellow wire	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP\BBP\DEHP\DIBP)	--	N.D.	
15	Metal of wire	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP\BBP\DEHP\DIBP)	--	N.D.	
16	Plastic of TYPE C terminal	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP\BBP\DEHP\DIBP)	--	N.D.	

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No.	Sample Description	Test item	XRF Result	Chemical Test (mg/kg)	Conclusion
17	Metal of TYPE C terminal	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP\BBP\DEHP\DIBP)	--	N.D.	
18	Resistance	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP\BBP\DEHP\DIBP)	--	N.D.	
19	Chip	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP\BBP\DEHP\DIBP)	--	N.D.	
20	Capacitor	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP\BBP\DEHP\DIBP)	--	N.D.	

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No.	Sample Description	Test item	XRF Result	Chemical Test (mg/kg)	Conclusion
21	LED	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP\BBP\DEHP\DIBP)	--	N.D.	
22	Metal of terminal	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP\BBP\DEHP\DIBP)	--	N.D.	
23	Plastic of terminal	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP\BBP\DEHP\DIBP)	--	N.D.	
24	Metal of button	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP\BBP\DEHP\DIBP)	--	N.D.	

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No.	Sample Description	Test item	XRF Result	Chemical Test (mg/kg)	Conclusion
25	Plastic of button	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP\BBP\DEHP\DIBP)	--	N.D.	
26	Metal of inductor	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP\BBP\DEHP\DIBP)	--	N.D.	
27	Core of inductor	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP\BBP\DEHP\DIBP)	--	N.D.	
28	Metal of motor	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP\BBP\DEHP\DIBP)	--	N.D.	

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No.	Sample Description	Test item	XRF Result	Chemical Test (mg/kg)	Conclusion
29	Core of motor	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP\BBP\DEHP\DIBP)	--	N.D.	
30	Coil of motor	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP\BBP\DEHP\DIBP)	--	N.D.	

1. It is the result on total Br while test item on restricted substances in PBBs/PBDEs. It is the result on total Cr while test item on restricted substances is Cr(VI).
2. Screening test by XRF spectroscopy XRF screening limits in mg/kg for regulated elements according to IEC62321:2013 Ed.1 Sec.6 & Annex D.

Element	Polymer Material	Metallic Material	Composite Material
Pb	$BL \leq 700 - 3\sigma \leq X < 1300 + 3\sigma$ $\leq OL$	$BL \leq 700 - 3\sigma \leq X < 1300 + 3\sigma$ $\leq OL$	$BL \leq 500 - 3\sigma \leq X < 1500 + 3\sigma$ $\leq OL$
Cd	$BL \leq 70 - 3\sigma \leq X < 130 + 3\sigma$ $\leq OL$	$BL \leq 70 - 3\sigma \leq X < 130 + 3\sigma$ $\leq OL$	$LOD < X < 150 + 3\sigma \leq OL$
Hg	$BL \leq 700 - 3\sigma \leq X < 1300 + 3\sigma$ $\leq OL$	$BL \leq 700 - 3\sigma \leq X < 1300 + 3\sigma$ $\leq OL$	$BL \leq 500 - 3\sigma \leq X < 1500 + 3\sigma$ $\leq OL$
Cr	$BL \leq 700 - 3\sigma < X$	$BL \leq 700 - 3\sigma < X$	$BL \leq 500 - 3\sigma < X$
Br	$BL \leq 300 - 3\sigma < X$	--	$BL \leq 250 - 3\sigma < X$

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Test Report

XRF detection limits in mg/kg for regulated elements in various material

Element	Polymer Material	Metallic Material	Composite Material
Pb	10	50	50
Cd	10	50	50
Hg	10	50	50
Cr	10	50	50
Br	10	50	50

Note :

- BL = Under the XRF screening limit
- OL = Future chemical test will be conducted while result is above the screening limit
- X =The symbol "X" marks the region where further investigation is necessary
- 3σ=The reproducibility of analytical instruments
- LOD=Detection limit

3. Wet chemical test

Test Item(s)	Test Method	Test Equipment	MDL
Pb	IEC62321-5:2013	ICP-AES	2
Cd	IEC62321-5:2013	ICP-AES	2
Hg	IEC62321-4:2013	ICP-AES	2
Cr(VI)	IEC62321-7-1:2015 IEC62321-7-2:2017	UV-Vis	2
PBB	IEC62321-6:2015	GC-MS	5
PBDE	IEC62321-6:2015	GC-MS	5
Dibutyl Phthalate(DBP)	IEC62321-8:2017	GC-MS	30
Benzylbutyl Phthalate (BBP)	IEC62321-8:2017	GC-MS	30
Di-(2-ethylhexyl) Phthalate(DEHP)	IEC62321-8:2017	GC-MS	30

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Test Report

Diisobutylthalate (DIBP)	IEC62321-8:2017	GC-MS	30
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Note : - mg/kg= ppm=0.0001%

-ND=Not Detected(<MDL)

- MDL = Method Detection Limit

-- = No Testing

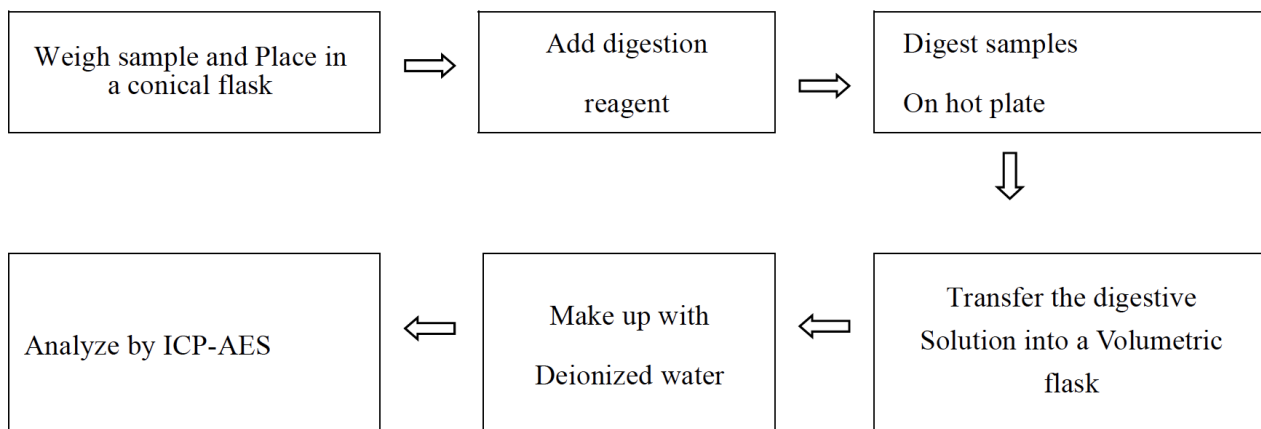
-Negative = Absence of Cr(VI), the detected Cr(VI) concentration in the boiling water extraction solution is less than 0.02 mg/kg with 50cm² sample surface

-*=According to 2011/65/EU Annex, point 6-Lead as an alloying element is steel containing up to 0.35% lead by weight, aluminum containing up to 0.4% lead by weight and as a copper alloy, containing up to 4% lead by weight can be exempted.

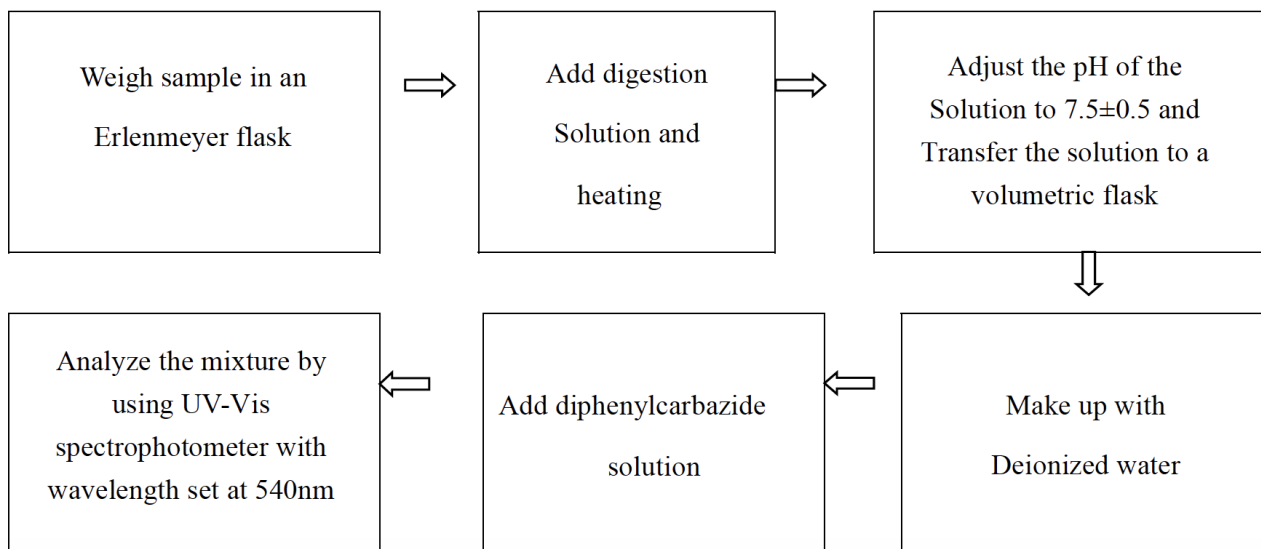
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Test Process:

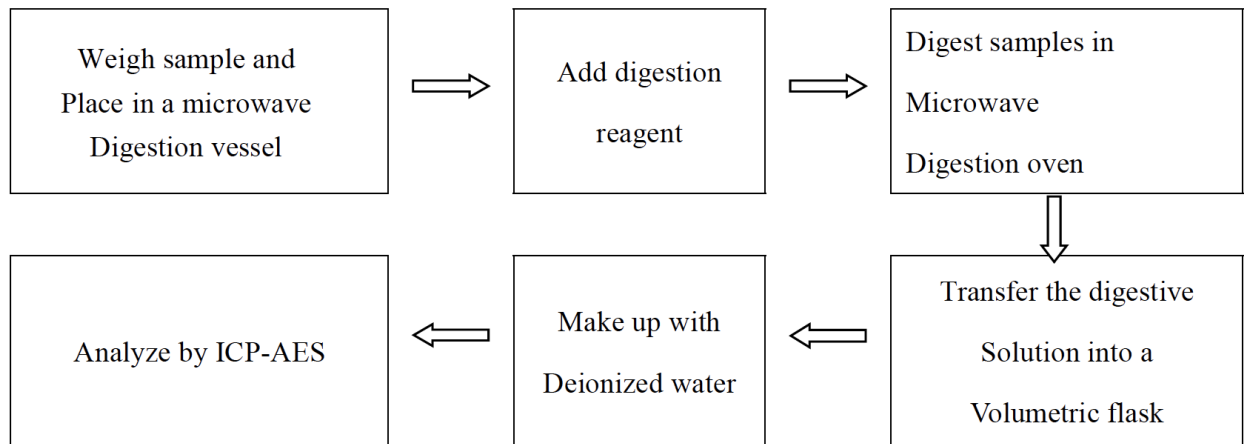
1. Test for Cd/Pb Content



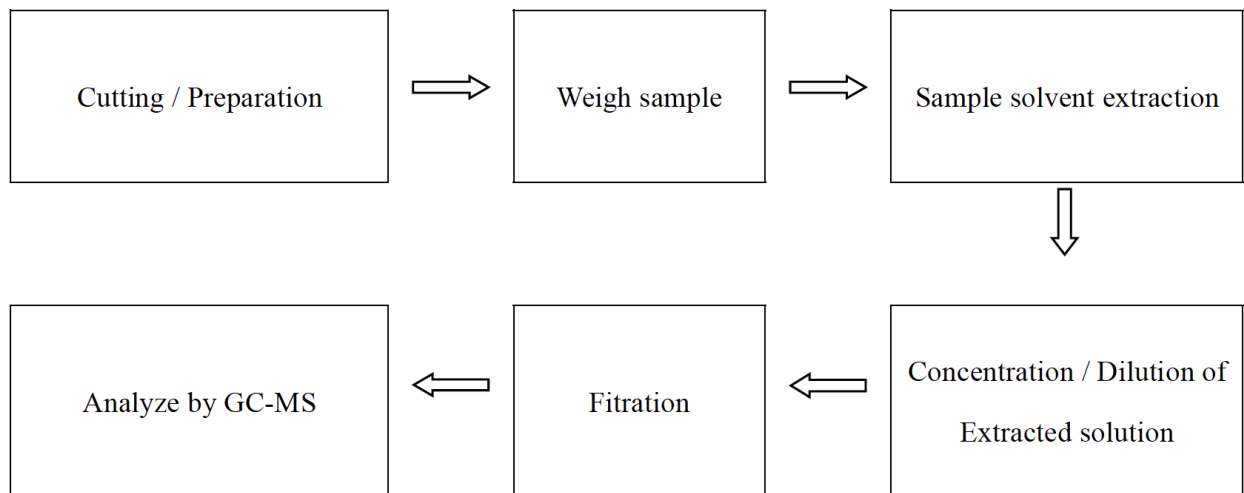
2. Test for Chromium(VI)Content



3. Test for Hg Contents



4. Test for PBBs/PBDES/DBP/BBP/DEHP/DIBP



Photograph of Sample:

Photo 1

Description: Overall view



Photo 2

Description: Overall view



Photo 3

Description: Overall view



Photo 4

Description: Inside view



Photo 5

Description: PCB view

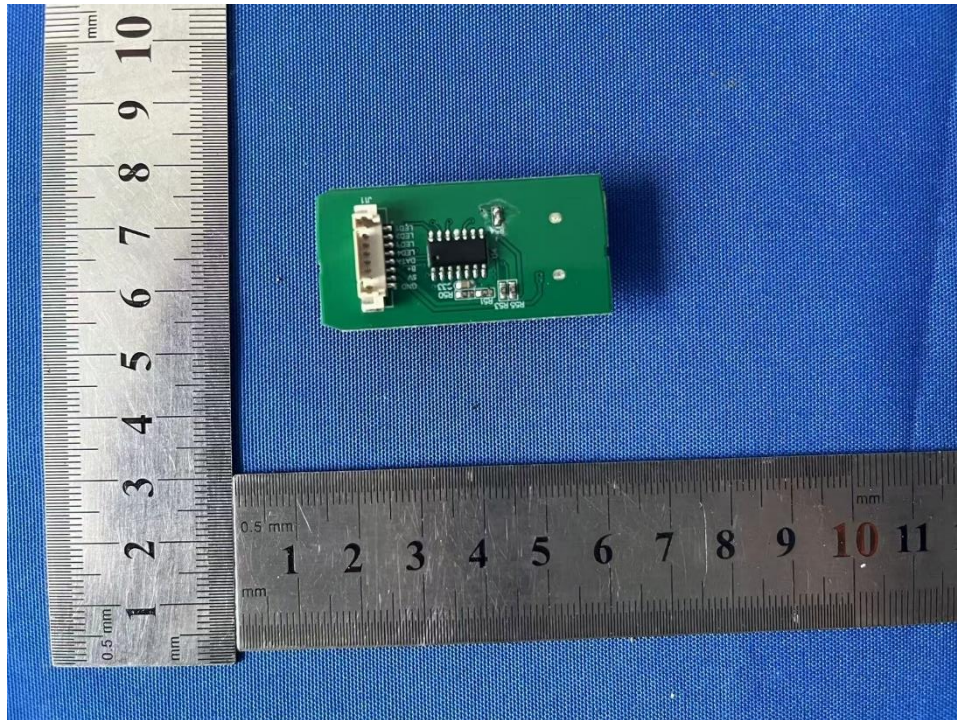


Photo 6

Description: PCB view

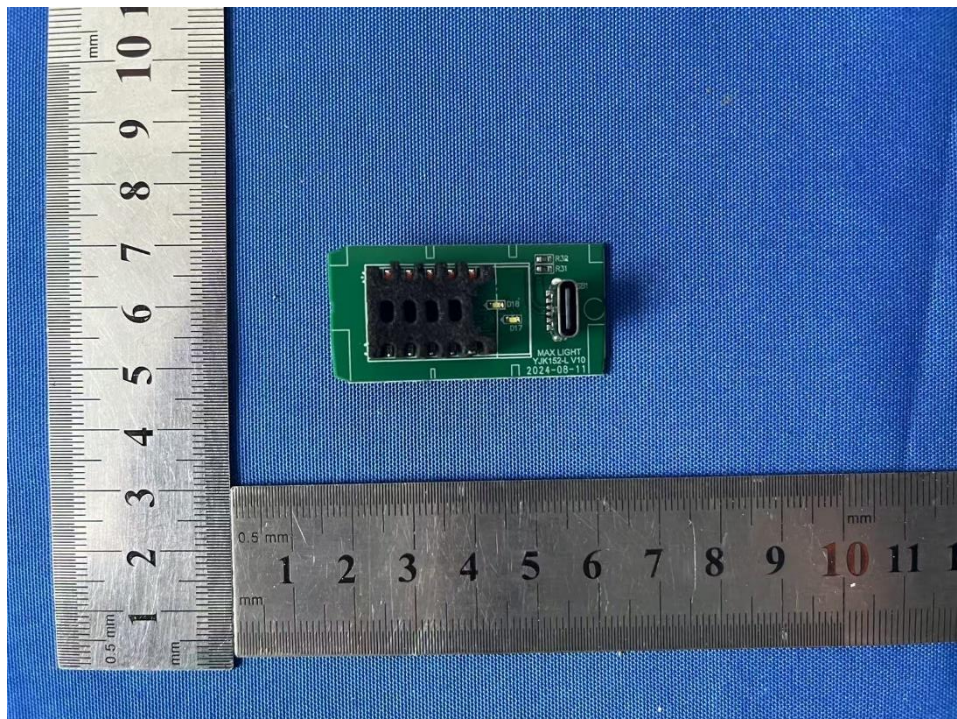


Photo 7

Description: PCB view

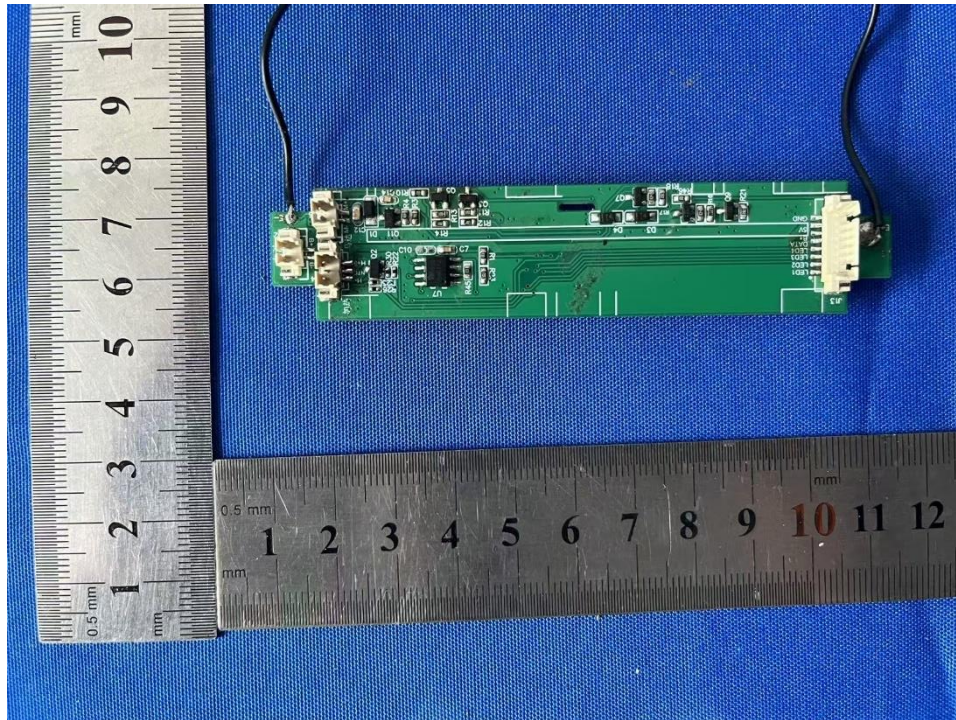


Photo 8

Description: PCB view

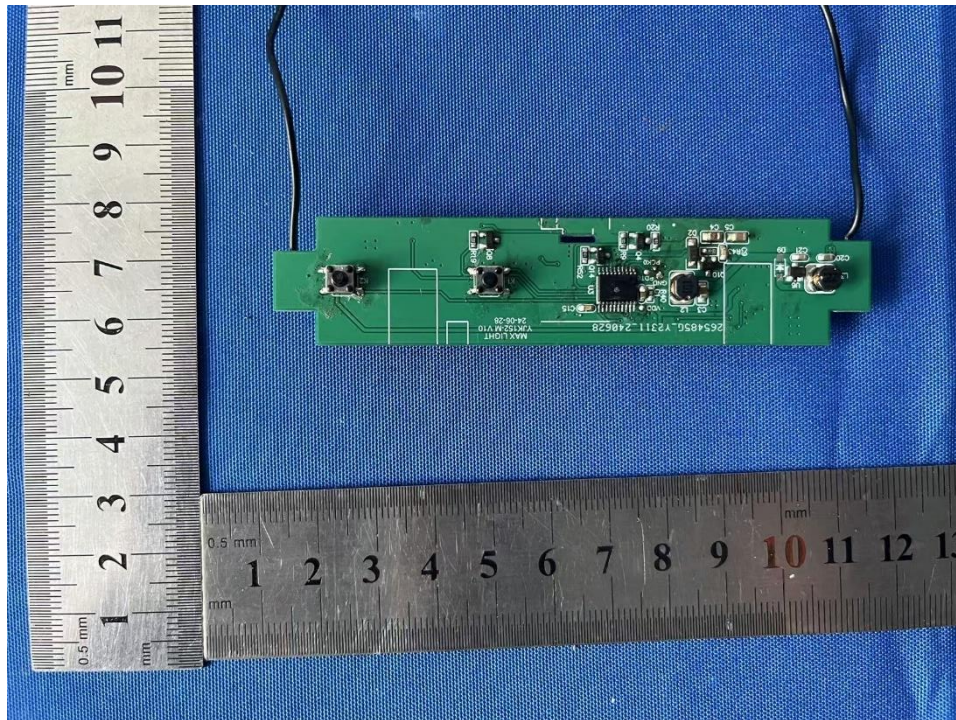


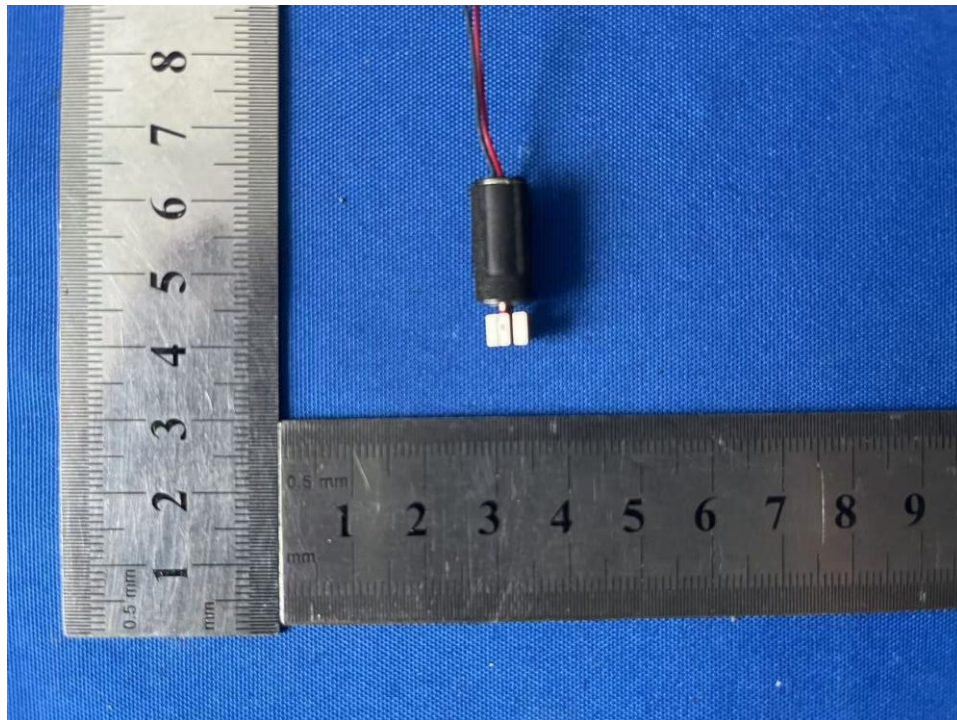
Photo 9

Description: Inside view



Photo 10

Description: Motor view



*****End of Report*****