





PASS

Test Report

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Applicant: Shenzhen Chuangtong Electronic Instruments Co., Ltd.

Address: 1501, Shenzhen Luohu Investment Holding Building B, 112 Qingshuihe 1st Road, Luohu District,

Shenzhen, Guang Dong, China

The following test sample information is provided and confirmed by the applicant:

Sample Name: MYTREX AQUA LIFT

Model: MT-AL22B
Trade Mark: MYTREX

Manufacturer: Shenzhen Chuangtong Electronic Instruments Co., Ltd.

Manufacturer Address: 1501, Shenzhen Luohu Investment Holding Building B, 112 Qingshuihe 1st Road, Luohu

District, Shenzhen, Guang Dong, China

Factory: Shenzhen Vincent Technology Co,.Ltd.

Factory Address: 01, Building 37, Shenzhen Dayun Software Town, 165 meters southeast of Exit D of Dayun

Metro Station, Longgang District, Shenzhen, Guangdong, China.

Date of sample(s) received: Mar.24,2025

Date of Test Period: Mar.24,2025 ~ Mar.27,2025

Date of Report: Mar.27,2025

TEST REQUESTED CONCLUSION

 As specified by client, to determine the ROHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU -Screening by X-ray fluorescence spectroscopy and confirmed by wet chemical method of Lead, Cadmium, Mercury, Chromium and Brominated flame retardants (PBB & PBDE) in submitted samples.

As specified by client, to determine the Total Phthalates Content [ROHS Directive (EU) 2015/863 PASS amending Annex II to Directive 2011/65/EU] in submitted samples.

NAP Testing Technology Service (Zhongshen) Co., LTD

Lian Yi

Authorized Signatory





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Test Result(s):

1. ROHS DIRECTIVE (EU) 2015/863 AMENDING ANNEX II TO DIRECTIVE 2011/65/EU

-SCREENING BY X-RAY FLUORESCENCE SPECTROSCOPY AND CONFIRMED BY WET CHEMICAL METHOD OF LEAD,

CADMIUM, MERCURY, CHROMIUM AND BROMINATED FLAME RETARDANTS (PBB & PBDE)

TESTED MATERIAL	SCHEME	TARGET ROHS SUBSTANCES	TEST METHOD USED	XRF RESULT (in mg/kg)	CHEMICAL TEST RESULT (in mg/kg)
				Cd: N.D	
				Cr: N.D	
001	001	All	XRF	Pb: N.D	N/T
				Hg: N.D	
				Br: N.D	
				Cd: N.D	
				Cr: N.D	
002	002	All	XRF	Pb: N.D	N/T
				Hg: N.D	
				Br: N.D	
				Cd: N.D	
			XRF	Cr: Inconclusive	
003	003	All	+	Pb: N.D	Cr ⁶⁺ : Negative
			Chemical	Hg: N.D	
				Br: N.A.	
				Cd: N.D	
				Cr: N.D	
004	004	All	XRF	Pb: N.D	N/T
				Hg: N.D	
				Br: N.D	
				Cd: N.D	
				Cr: N.D	
005	005	All	XRF	Pb: N.D	N/T
				Hg: N.D	
				Br: N.D	
				Cd: N.D	
				Cr: N.D	
006	006	All	XRF	Pb: N.D	N/T
				Hg: N.D	
				Br: N.D	





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TESTED MATERIAL	SCHEME	TARGET RoHS SUBSTANCES	TEST METHOD USED	XRF RESULT (in mg/kg)	CHEMICAL TEST RESULT (in mg/kg)		
				Cd: N.D			
				Cr: N.D			
007	007	All	XRF	Pb: N.D	N/T		
				Hg: N.D			
				Br: N.D			
				Cd: N.D			
				Cr: N.D			
800	008	All	XRF	Pb: N.D	N/T		
				Hg: N.D			
				Br: N.D			
				Cd: N.D			
	009	All	XRF	Cr: N.D			
009				Pb: N.D	N/T		
				Hg: N.D			
				Br: N.D			
				Cd: N.D			
				Cr: N.D			
010	010	All	XRF	Pb: N.D	N/T		
						Hg: N.D	
				Br: N.D			
				Cd: N.D			
			XRF	Cr: Inconclusive			
011	011	All	+	Pb: N.D	Cr ⁶⁺ : Negative		
			Chemical	Hg: N.D			
				Br: N.A.	1		
				Cd: N.D			
012				Cr: N.D	N/T		
	012	All	XRF	Pb: N.D			
				Hg: N.D			
				Br: N.A.			





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TESTED MATERIAL	SCHEME	TARGET RoHS SUBSTANCES	TEST METHOD USED	XRF RESULT (in mg/kg)	CHEMICAL TEST RESULT (in mg/kg)				
				Cd: N.D					
			XRF	Cr: N.D	DDD-: N.D. (45.0)				
013	013	All	+	Pb: N.D	PBBs: N.D (<5.0)				
			Chemical	Hg: N.D	PBDEs: N.D (<5.0)				
				Br: Inconclusive					
				Cd: N.D					
				Cr: N.D					
014	014	All	XRF	Pb: N.D	N/T				
				Hg: N.D					
				Br: N.D					
				Cd: N.D					
		015 All	I XRF	Cr: N.D					
015	015			Pb: N.D	N/T				
				Hg: N.D					
				Br: N.D					
				Cd: N.D					
			XRF	Cr: N.D	DDDay N.D. (<5.0)				
016	016	016 All	+	Pb: N.D	PBBs: N.D (<5.0)				
							Chemical	Hg: N.D	PBDEs: N.D (<5.0)
				Br: Inconclusive					
				Cd: N.D					
				Cr: N.D					
017	017	All	XRF	Pb: N.D	N/T				
				Hg: N.D					
				Br: N.D					
				Cd: N.D					
		018 All	XRF	Cr: N.D					
018	018			Pb: N.D	N/T				
				Hg: N.D					
					Br: N.D				





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TESTED MATERIAL	SCHEME	TARGET ROHS SUBSTANCES	TEST METHOD USED	XRF RESULT (in mg/kg)	CHEMICAL TEST RESULT (in mg/kg)	
				Cd: N.D		
				Cr: N.D		
019	019	All	XRF	Pb: N.D	N/T	
				Hg: N.D		
				Br: N.A.		
				Cd: N.D		
				Cr: N.D		
020	020	All	XRF	Pb: N.D	N/T	
				Hg: N.D		
				Br: N.D		
				Cd: N.D		
	021	All	All XRF	Cr: N.D		
021				Pb: N.D	N/T	
				Hg: N.D		
				Br: N.A.		
				Cd: N.D		
			XRF	Cr: N.D	Db. 2402	
022	022	022 All + Chemical	Pb: Inconclusive	Pb:3193		
			Chemical	Hg: N.D	See remark	
				Br: N.A.		
				Cd: N.D		
			XRF	Cr: N.D		
023	023	All	+	Pb: N.D	PBBs: N.D (<5.0)	
			Chemical	Hg: N.D	PBDEs: N.D (<5.0)	
				Br: Inconclusive		
				Cd: N.D		
				Cr: N.D		
024	024	024 All	XRF	Pb: N.D	N/T	
				Hg: N.D		
				Br: N.D		





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TESTED MATERIAL	SCHEME	TARGET ROHS SUBSTANCES	TEST METHOD USED	XRF RESULT (in mg/kg)	CHEMICAL TEST RESULT (in mg/kg)			
				Cd: N.D				
				Cr: N.D				
025	025	All	XRF	Pb: N.D	N/T			
				Hg: N.D				
				Br: N.D				
				Cd: N.D				
				Cr: N.D				
026	026	All	XRF	Pb: N.D	N/T			
				Hg: N.D				
				Br: N.D				
				Cd: N.D				
			XRF	Cr: N.D				
027	027	All		Pb: N.D	N/T			
				Hg: N.D				
				Br: N.D				
						Cd: N.D		
				Cr: N.D				
028	028	All	XRF	Pb: N.D	N/T			
							Hg: N.D	
				Br: N.A.				
				Cd: N.D				
				Cr: N.D				
029	029	All	XRF	Pb: N.D	N/T			
				Hg: N.D				
				Br: N.D				
				Cd: N.D				
				Cr: N.D				
030	030	All	XRF	Pb: N.D	N/T			
				Hg: N.D				
					Br: N.D			





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TESTED MATERIAL	SCHEME	TARGET ROHS SUBSTANCES	TEST METHOD USED	XRF RESULT (in mg/kg)	CHEMICAL TEST RESULT (in mg/kg)		
				Cd: N.D			
				Cr: N.D			
031	031	All	XRF	Pb: N.D	N/T		
				Hg: N.D			
				Br: N.D			
				Cd: N.D			
				Cr: N.D			
032	032	All	XRF	Pb: N.D	N/T		
				Hg: N.D			
				Br: N.D			
				Cd: N.D			
	033	All	XRF	Cr: N.D			
033				Pb: N.D	N/T		
				Hg: N.D			
				Br: N.D			
			XRF	Cd: N.D			
				Cr: N.D			
034	034	All		Pb: N.D	N/T		
						Hg: N.D	
				Br: N.D			
				Cd: N.D			
				Cr: N.D			
035	035	All	XRF	Pb: N.D	N/T		
				Hg: N.D			
				Br: N.D			
				Cd: N.D			
				Cr: N.D			
036	036	All	XRF	Pb: N.D	N/T		
				Hg: N.D			
				Br: N.A.			





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TESTED MATERIAL	SCHEME	TARGET ROHS SUBSTANCES	TEST METHOD USED	XRF RESULT (in mg/kg)	CHEMICAL TEST RESULT (in mg/kg)	
				Cd: N.D		
				Cr: N.D		
037	037	All	XRF	Pb: N.D	N/T	
				Hg: N.D		
				Br: N.D		
				Cd: N.D		
				Cr: N.D		
038	038	All	XRF	Pb: N.D	N/T	
				Hg: N.D		
				Br: N.D		
					Cd: N.D	
		039 All	All XRF	Cr: N.D		
039	039			Pb: N.D	N/T	
					Hg: N.D	
				Br: N.D		
				Cd: N.D		
			Cr: N.D			
040	040	All	XRF	Pb: N.D	N/T	
				Hg: N.D		
				Br: N.D		
				Cd: N.D		
				Cr: N.D		
041	041	All	XRF	Pb: N.D	N/T	
				Hg: N.D		
				Br: N.D		

Remark(s):

- RL = Reporting Limits
- N.D = Not Detected (<RL)
- Mg/kg = parts per million = ppm
- N/T = Not tested
- N.A.= Not applicable
- -The lead content of component (022) is coming from a copper alloy. And according to RoHS directive 2011/65/EU and its amendments Annex III n.6(c), Lead is exempted as an alloying element in Copper containing up to 4% (40000ppm) by weight.





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2. Total Phthalates Content [ROHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU]

Test Method: IEC 62321-8: 2017

<u>Analyte</u>	CAS No.	Requirement (Max.), %	Reporting Limit, %	<u>Sample, %</u> 001+004+020+024+032+037+041
Dibutyl Phthalate, DBP	84-74-2	0.1	0.005	<0.005
Benzyl Butyl Phthalate, BBP	85-68-7	0.1	0.005	<0.005
Diethylhexyl Phthalate, DEHP	117-81-7	0.1	0.005	<0.005
Diisobutyl Phthalate, DIBP	84-69-5	0.1	0.005	<0.005
Rating	•			PASS

Analyte	CAS No.	Requirement (Max.), %	Reporting Limit, %	<u>Sample, %</u> <u>002+005+013+016+018+023</u> +030+033+035+038
Dibutyl Phthalate, DBP	84-74-2	0.1	0.005	<0.005
Benzyl Butyl Phthalate, BBP	85-68-7	0.1	0.005	<0.005
Diethylhexyl Phthalate, DEHP	117-81-7	0.1	0.005	<0.005
Diisobutyl Phthalate, DIBP	84-69-5	0.1	0.005	<0.005
Rating	PASS			

Analyte	CAS No.	Requirement (Max.), %	Reporting Limit, %	<u>Sample, %</u> 009+010+025+026+027
Dibutyl Phthalate, DBP	84-74-2	0.1	0.005	<0.005
Benzyl Butyl Phthalate, BBP	85-68-7	0.1	0.005	<0.005
Diethylhexyl Phthalate, DEHP	117-81-7	0.1	0.005	<0.005
Diisobutyl Phthalate, DIBP	84-69-5	0.1	0.005	<0.005
Rating	PASS			

Remark(s):

- -All concentrations expressed in percentage (%)
- -"<" means less than
- -Method for determination of Phthalates are determined by Gas Chromatography Mass Selective Detector (GC-MSD)
- -The test results only apply to the items tested.





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TEST METHODS:

- (1) Sample prepared with reference to IEC 62321-2 Ed1.0:2021 Determination of certain substances in electrotechnical products Part 2: Disassembly, disjunction and mechanical sample preparation;
- (2) Sample Screening testing with reference to IEC 62321-3-1 Ed1.0:2013 Determination of certain substances in electrotechnical products Part 3-1: Screening Lead, mercury, Cadmium, total chromium and total bromine using X-ray fluorescence spectrometry;
- (a) 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 Cr⁶⁺.
- (b) Results are obtained by XRF for primary screening, and further chemical testing by ICP-OES(for Cd, Pb, Hg), UV-Vis(for Cr⁶⁺) and GC/MS(for PBBs, PBDEs) is recommended to be performed.

XRF screening limits in mg/kg for regulated elements according to IEC 62321-3-1 Ed1.0:2013

ELEMENT	POLYMER	METALS	COMPOSITE MATERIAL
Cd	BL≤(70-3σ) <x<(130+3σ) td="" ≤ol<=""><td>BL≤(70-3σ) <x<(130+3σ) td="" ≤ol<=""><td>LOD < X < (150+3σ)≤ OL</td></x<(130+3σ)></td></x<(130+3σ)>	BL≤(70-3σ) <x<(130+3σ) td="" ≤ol<=""><td>LOD < X < (150+3σ)≤ OL</td></x<(130+3σ)>	LOD < X < (150+3σ)≤ OL
Pb	BL≤(700-3σ) <x<(1300+3σ) td="" ≤ol<=""><td>BL≤(700-3σ) <x<(1300+3σ) td="" ≤ol<=""><td>BL≤(500-3σ) <x<(1500+3σ) td="" ≤ol<=""></x<(1500+3σ)></td></x<(1300+3σ)></td></x<(1300+3σ)>	BL≤(700-3σ) <x<(1300+3σ) td="" ≤ol<=""><td>BL≤(500-3σ) <x<(1500+3σ) td="" ≤ol<=""></x<(1500+3σ)></td></x<(1300+3σ)>	BL≤(500-3σ) <x<(1500+3σ) td="" ≤ol<=""></x<(1500+3σ)>
Hg	BL≤(700-3σ) <x<(1300+3σ) td="" ≤ol<=""><td>BL≤(700-3σ) <x<(1300+3σ) td="" ≤ol<=""><td>BL≤(500-3σ) <x<(1500+3σ) td="" ≤ol<=""></x<(1500+3σ)></td></x<(1300+3σ)></td></x<(1300+3σ)>	BL≤(700-3σ) <x<(1300+3σ) td="" ≤ol<=""><td>BL≤(500-3σ) <x<(1500+3σ) td="" ≤ol<=""></x<(1500+3σ)></td></x<(1300+3σ)>	BL≤(500-3σ) <x<(1500+3σ) td="" ≤ol<=""></x<(1500+3σ)>
Cr	BL≤(700-3σ) <x< td=""><td>BL≤(700-3σ) <x< td=""><td>BL≤(500-3σ) <x< td=""></x<></td></x<></td></x<>	BL≤(700-3σ) <x< td=""><td>BL≤(500-3σ) <x< td=""></x<></td></x<>	BL≤(500-3σ) <x< td=""></x<>
Br	BL≤(300-3σ) <x< td=""><td>- /</td><td>BL≤(250-3σ) <x< td=""></x<></td></x<>	- /	BL≤(250-3σ) <x< td=""></x<>

Remark(s):

BL = Below Limit, OL = Over Limit, LOD = Limit of Detection, -- = Not Regulated

The XRF screening test for RoHS elements – The reading may be different to the actual content in the sample be of non-uniformity composition.





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TEST METHODS:

(3) Wet Chemical Test Method

TESTING ITEM	CHEMICAL TESTING METHOD	RL	<u>LIMIT</u>
Cd	With reference to IEC 62321-5 Ed1.0:2013, by acid digestion and determined by ICP-OES	5.0mg/kg	100mg/kg
Pb	With reference to IEC 62321-5 Ed1.0:2013, by acid digestion and determined by ICP-OES	5.0mg/kg	1000mg/kg
Hg	With reference to IEC 62321-4 Ed1.1:2017, by acid digestion and determined by ICP-OES	5.0mg/kg	1000mg/kg
Cr ⁶⁺ (for non-metal)	With reference to IEC 62321-7-2 Ed1.0:2017, by the colorimetric method	5.0mg/kg	1000mg/kg
Cr ⁶⁺ (for metal)	With reference to IEC 62321-7-1 Ed1.0:2015 by the water-boiling method	1	/
PBBs Content	With reference to IEC 62321-6 Ed1.0:2015, by solvent extraction and determined by GC-MSD	5.0mg/kg	1000mg/kg
PBDEs Content	With reference to IEC 62321-6 Ed1.0:2015, by solvent extraction and determined by GC-MSD	5.0mg/kg	1000mg/kg
DEHP,BBP,DBP, DIBP	With reference to IEC 62321-8 Ed1.0:2017 clause 8.2.1.4 by gas chromatography-mass spectrometry	50mg/kg	1000mg/kg

Remark(s): According to IEC 62321-7-1 Ed1.0:2015, result on Cr⁶⁺ for metal sample is shown as Positive/Negative.

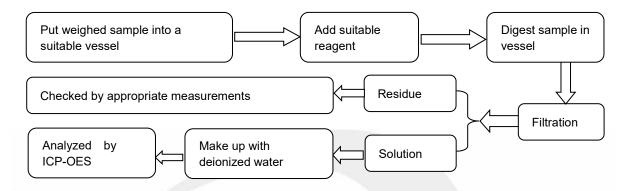




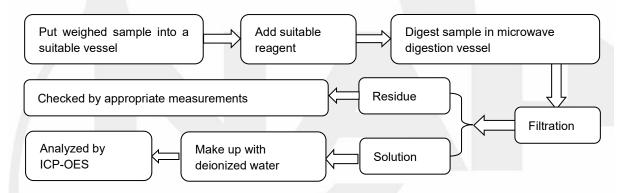
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TEST PROCESS

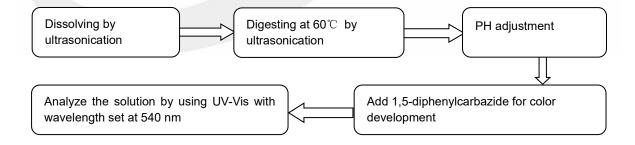
1. Test for Lead (Pb), Cadmium (Cd) contents(IEC 62321-5 Ed1.0:2013):



2. Test for Mercury (Hg) contents (IEC 62321-4 Ed1.1:2017):



- 3. Test for Nonmetallic Materials Chromium(Cr(VI)) contents (IEC 62321-7-2 Ed1.0:2017):
- 3.1 ABS/PC/PVC

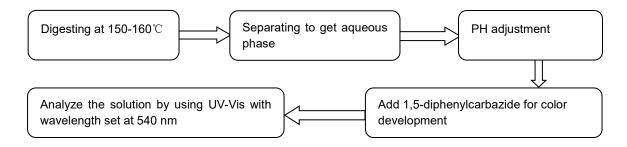




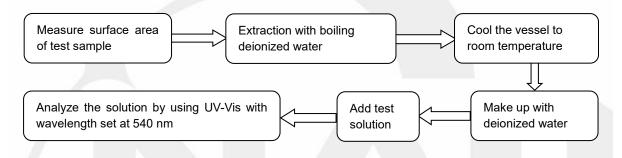


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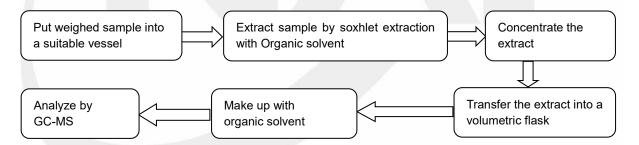
3.2 others



4. Test for metal Chromium(Cr(VI)) contents (IEC 62321-7-1 Ed1.0:2015):



5. Test for PBBs & PBDEs contents (IEC 62321-6 Ed1.0:2015):



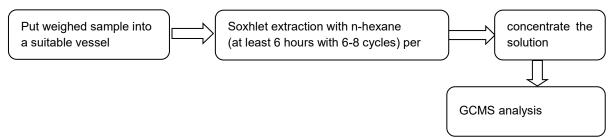




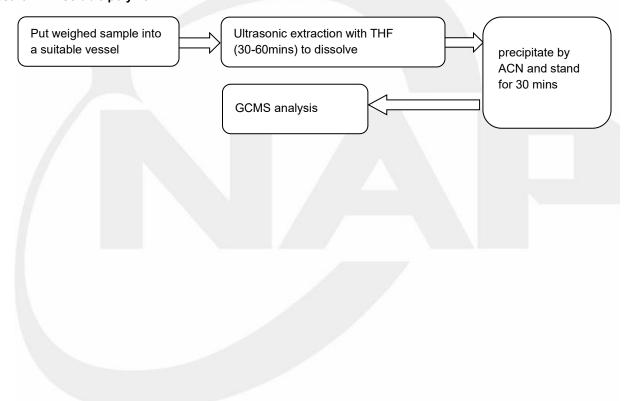
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6. Test for Phthalate content (DEHP,BBP,DBP,DIBP) (IEC 62321-8 Ed1.0:2017):

6.1 Test for general polymer



6.2 Test for THF soluble polymer







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Sample description:

- (001) Black soft plastic shell
- (002) Yellow transparent plastic film
- (003) Silver metal screw
- (004) Transparent adhesive
- (005) Transparent plastic shell
- (006) Red enameled wire
- (007) Blue enameled wire
- (008) Green enameled wire
- (009) Black soft plastic wire jacket
- (010) Red soft plastic wire jacket
- (011) Silver metal head (connector)
- (012) Silver metal wire (inside the wire)
- (013) Beige plastic socket
- (014) Brown electronic components
- (015) Black electronic components
- (016) Blue PCB
- (017) Black ceramic component (681)
- (018) Black plastic button
- (019) solder
- (020) Black foam
- (021) Silver metal sheet
- (022) Silver metal plug
- (023) Black plastic casing (adapter)
- (024) Black soft plastic connection
- (025) Black soft plastic wire jacket (flat)
- (026) Black soft plastic wire jacket (inside the charging cable)
- (027) Red soft plastic wire jacket (inside the charging cable)
- (028) Copper colored metal wire (inside the wire)
- (029) Silver magnet
- (030) Black/white plastic film (electrolytic capacitor)
- (031) Blue ceramic component
- (032) White adhesive
- (033) Green/yellow plastic film (electrolytic capacitor)
- (034) Black ceramic component
- (035) Yellow plastic film
- (036) Silver metal casing (electrolytic capacitor)
- (037) Black soft plastic cover (electrolytic capacitor)
- (038) Brown wet paper (electrolytic capacitor)





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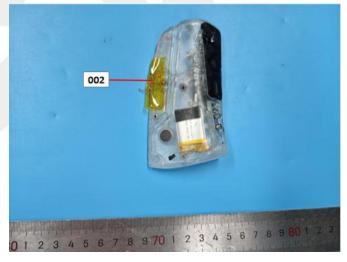
(039) Green colored ring resistor(040) Gray colored ring resistor(041) Black soft plastic sleeve

Photo(s) of test sample(s):



(Whole product)



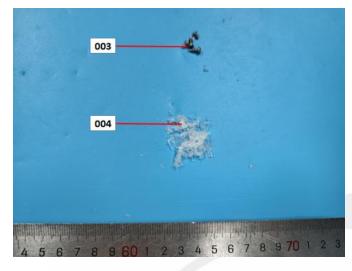


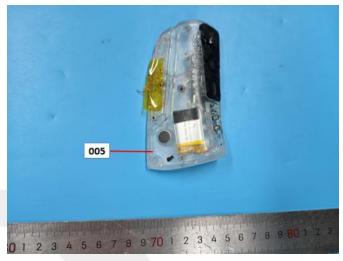


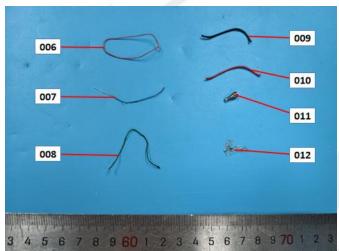


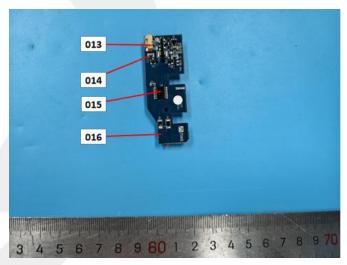
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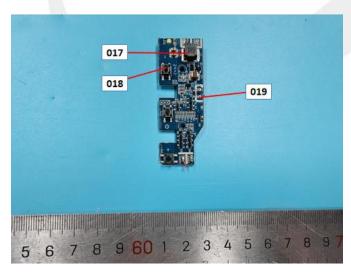
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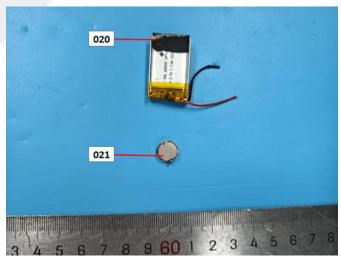










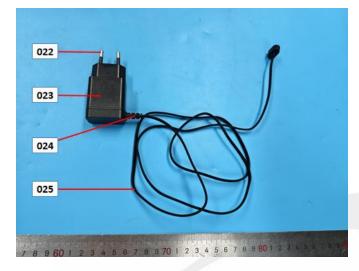


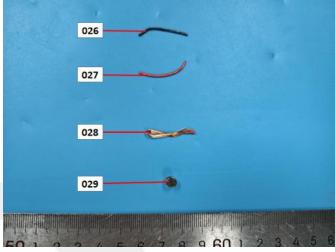


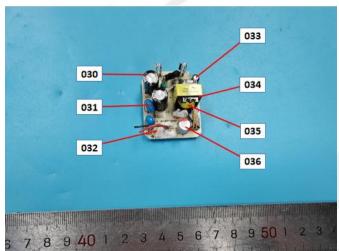


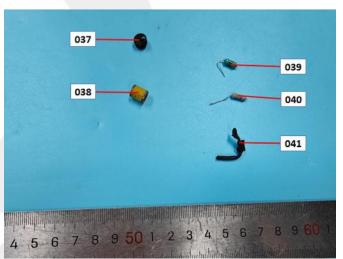
Report No.: NAP2503073901E











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

