



中国认可  
国际互认  
检测  
TESTING  
CNAS L4783



# Test Report

Report No.: NAP2402025905E

Page 1 of 27

Applicant: Shantou Yile Technology Co., Ltd.

Address: No.5 Yongxiang Road, Lingting Village, Chenghai District, Shantou City, Guangdong Province, China

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

Sample Name: FOUR AXIS AIRCRAFT

Item No.: S150,S65,S76,S80,S82,S83,S85,S86,S89,S91,S92,S98,S99,S101,S109,S113,S115,S116,S118,S119,S121,S125,S130,S132,S135,S136,S138,S139,S150,S151,S152,S155,S156,S158,S159,S160,S165,S166,S167,S168,S169,S173,S175,S176,S177,S178,S179,S180,S181,S182,S185,S186,S188,S189,S190,S191,S192,S193,S195,S196,S198,S199,S312,S315,S316,S317,S319,S325,S326,S327,S350,S356,S357,S358,S359,S361,S362,S365,S367,S368,S369,S370,S371,S372,S375,S376,S377,S378,S379,S391,S395,S396,S397,S610,S612,S613,S615,S617,S618,S619,S621,S623,S625,S627,S628,S629,S710,S712,S713,S715,S716,S717,S718,S719,S720,S725,S726,S728,S729,S731,S735,S736,S739,S751,S752,S753,S755,S756,S758,S759,S760,E58,E88,E99,E100,E88EVO,YT163,YT150,S162

Date of sample(s) received: Feb.27,2024

Date of Test Period: Feb.27,2024 ~ Mar.04,2024

Date of Report: Mar.04,2024

## TEST REQUESTED

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)

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

## CONCLUSION

PASS

PASS

NAP Testing Technology Service (Zhongshan) Co., LTD

Lian Yi

Lian Yi

Authorized Signatory



Unless otherwise stated, this test report is only responsible for the sample(s). This test report cannot be reproduced in part without prior written permission of the testing Lab. Any inquiry about this report, please raise from the date of receipt of the report within 30 days, overdue will not be accepted.

# Test Report

Report No.: NAP2402025905E

Page 2 of 27

## 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 )
001	001	All	XRF	Cd: N.D	N/T
				Cr: N.D	
				Pb: N.D	
				Hg: N.D	
				Br: N.D	
002	002	All	XRF	Cd: N.D	N/T
				Cr: N.D	
				Pb: N.D	
				Hg: N.D	
				Br: N.A.	
003	003	All	XRF	Cd: N.D	N/T
				Cr: N.D	
				Pb: N.D	
				Hg: N.D	
				Br: N.D	
004	004	All	XRF + Chemical	Cd: N.D	PBBs: N.D (<5.0) PBDEs: N.D (<5.0)
				Cr: N.D	
				Pb: N.D	
				Hg: N.D	
				Br: Inconclusive	
005	005	All	XRF	Cd: N.D	N/T
				Cr: N.D	
				Pb: N.D	
				Hg: N.D	
				Br: N.D	
006	006	All	XRF	Cd: N.D	N/T
				Cr: N.D	
				Pb: N.D	
				Hg: N.D	
				Br: N.D	

Unless otherwise stated, this test report is only responsible for the sample(s). This test report cannot be reproduced in part without prior written permission of the testing Lab. Any inquiry about this report, please raise from the date of receipt of the report within 30 days, overdue will not be accepted.

# Test Report

Report No.: NAP2402025905E

Page 3 of 27

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

Unless otherwise stated, this test report is only responsible for the sample(s). This test report cannot be reproduced in part without prior written permission of the testing Lab. Any inquiry about this report, please raise from the date of receipt of the report within 30 days, overdue will not be accepted.

# Test Report

Report No.: NAP2402025905E

Page 4 of 27

TESTED MATERIAL	SCHEME	TARGET RoHS SUBSTANCES	TEST METHOD USED	XRF RESULT ( in mg/kg )	CHEMICAL TEST RESULT ( in mg/kg )
013	013	All	XRF	Cd: N.D	N/T
				Cr: N.D	
				Pb: N.D	
				Hg: N.D	
				Br: N.D	
014	014	All	XRF + Chemical	Cd: N.D	Cr <sup>6+</sup> : Negative
				Cr: Inconclusive	
				Pb: N.D	
				Hg: N.D	
				Br: N.A.	
015	015	All	XRF	Cd: N.D	N/T
				Cr: N.D	
				Pb: N.D	
				Hg: N.D	
				Br: N.A.	
016	016	All	XRF + Chemical	Cd: N.D	Cr <sup>6+</sup> : Negative
				Cr: Inconclusive	
				Pb: N.D	
				Hg: N.D	
				Br: N.A.	
017	017	All	XRF	Cd: N.D	N/T
				Cr: N.D	
				Pb: N.D	
				Hg: N.D	
				Br: N.D	
018	018	All	XRF	Cd: N.D	N/T
				Cr: N.D	
				Pb: N.D	
				Hg: N.D	
				Br: N.D	

Unless otherwise stated, this test report is only responsible for the sample(s). This test report cannot be reproduced in part without prior written permission of the testing Lab. Any inquiry about this report, please raise from the date of receipt of the report within 30 days, overdue will not be accepted.

# Test Report

Report No.: NAP2402025905E

Page 5 of 27

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

Unless otherwise stated, this test report is only responsible for the sample(s). This test report cannot be reproduced in part without prior written permission of the testing Lab. Any inquiry about this report, please raise from the date of receipt of the report within 30 days, overdue will not be accepted.

# Test Report

Report No.: NAP2402025905E

Page 6 of 27

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

Unless otherwise stated, this test report is only responsible for the sample(s). This test report cannot be reproduced in part without prior written permission of the testing Lab. Any inquiry about this report, please raise from the date of receipt of the report within 30 days, overdue will not be accepted.

# Test Report

Report No.: NAP2402025905E

Page 7 of 27

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

Unless otherwise stated, this test report is only responsible for the sample(s). This test report cannot be reproduced in part without prior written permission of the testing Lab. Any inquiry about this report, please raise from the date of receipt of the report within 30 days, overdue will not be accepted.

# Test Report

Report No.: NAP2402025905E

Page 8 of 27

TESTED MATERIAL	SCHEME	TARGET RoHS SUBSTANCES	TEST METHOD USED	XRF RESULT ( in mg/kg )	CHEMICAL TEST RESULT ( in mg/kg )
037	037	All	XRF	Cd: N.D	N/T
				Cr: N.D	
				Pb: N.D	
				Hg: N.D	
				Br: N.A.	
038	038	All	XRF	Cd: N.D	N/T
				Cr: N.D	
				Pb: N.D	
				Hg: N.D	
				Br: N.D	
039	039	All	XRF	Cd: N.D	N/T
				Cr: N.D	
				Pb: N.D	
				Hg: N.D	
				Br: N.D	
040	040	All	XRF	Cd: N.D	N/T
				Cr: N.D	
				Pb: N.D	
				Hg: N.D	
				Br: N.D	
041	041	All	XRF	Cd: N.D	N/T
				Cr: N.D	
				Pb: N.D	
				Hg: N.D	
				Br: N.D	
042	042	All	XRF	Cd: N.D	N/T
				Cr: N.D	
				Pb: N.D	
				Hg: N.D	
				Br: N.D	

Unless otherwise stated, this test report is only responsible for the sample(s). This test report cannot be reproduced in part without prior written permission of the testing Lab. Any inquiry about this report, please raise from the date of receipt of the report within 30 days, overdue will not be accepted.



# Test Report

Report No.: NAP2402025905E

Page 9 of 27

TESTED MATERIAL	SCHEME	TARGET RoHS SUBSTANCES	TEST METHOD USED	XRF RESULT ( in mg/kg )	CHEMICAL TEST RESULT ( in mg/kg )
043	043	All	XRF	Cd: N.D	N/T
				Cr: N.D	
				Pb: N.D	
				Hg: N.D	
				Br: N.D	
044	044	All	XRF	Cd: N.D	N/T
				Cr: N.D	
				Pb: N.D	
				Hg: N.D	
				Br: N.A.	
045	045	All	XRF	Cd: N.D	N/T
				Cr: N.D	
				Pb: N.D	
				Hg: N.D	
				Br: N.A.	
046	046	All	XRF	Cd: N.D	N/T
				Cr: N.D	
				Pb: N.D	
				Hg: N.D	
				Br: N.D	
047	047	All	XRF	Cd: N.D	N/T
				Cr: N.D	
				Pb: N.D	
				Hg: N.D	
				Br: N.D	
048	048	All	XRF	Cd: N.D	N/T
				Cr: N.D	
				Pb: N.D	
				Hg: N.D	
				Br: N.D	

Unless otherwise stated, this test report is only responsible for the sample(s). This test report cannot be reproduced in part without prior written permission of the testing Lab. Any inquiry about this report, please raise from the date of receipt of the report within 30 days, overdue will not be accepted.

# Test Report

Report No.: NAP2402025905E

Page 10 of 27

TESTED MATERIAL	SCHEME	TARGET RoHS SUBSTANCES	TEST METHOD USED	XRF RESULT ( in mg/kg )	CHEMICAL TEST RESULT ( in mg/kg )
049	049	All	XRF	Cd: N.D	N/T
				Cr: N.D	
				Pb: N.D	
				Hg: N.D	
				Br: N.D	
050	050	All	XRF	Cd: N.D	N/T
				Cr: N.D	
				Pb: N.D	
				Hg: N.D	
				Br: N.D	
051	051	All	XRF	Cd: N.D	N/T
				Cr: N.D	
				Pb: N.D	
				Hg: N.D	
				Br: N.D	
052	052	All	XRF	Cd: N.D	N/T
				Cr: N.D	
				Pb: N.D	
				Hg: N.D	
				Br: N.D	
053	053	All	XRF	Cd: N.D	N/T
				Cr: N.D	
				Pb: N.D	
				Hg: N.D	
				Br: N.A.	
054	054	All	XRF	Cd: N.D	N/T
				Cr: N.D	
				Pb: N.D	
				Hg: N.D	
				Br: N.D	

Unless otherwise stated, this test report is only responsible for the sample(s). This test report cannot be reproduced in part without prior written permission of the testing Lab. Any inquiry about this report, please raise from the date of receipt of the report within 30 days, overdue will not be accepted.

# Test Report

Report No.: NAP2402025905E

Page 11 of 27

TESTED MATERIAL	SCHEME	TARGET RoHS SUBSTANCES	TEST METHOD USED	XRF RESULT ( in mg/kg )	CHEMICAL TEST RESULT ( in mg/kg )
055	055	All	XRF	Cd: N.D	N/T
				Cr: N.D	
				Pb: N.D	
				Hg: N.D	
				Br: N.A.	
056	056	All	XRF	Cd: N.D	N/T
				Cr: N.D	
				Pb: N.D	
				Hg: N.D	
				Br: N.D	
057	057	All	XRF	Cd: N.D	N/T
				Cr: N.D	
				Pb: N.D	
				Hg: N.D	
				Br: N.D	
058	058	All	XRF	Cd: N.D	N/T
				Cr: N.D	
				Pb: N.D	
				Hg: N.D	
				Br: N.D	
059	059	All	XRF	Cd: N.D	N/T
				Cr: N.D	
				Pb: N.D	
				Hg: N.D	
				Br: N.D	
060	060	All	XRF	Cd: N.D	N/T
				Cr: N.D	
				Pb: N.D	
				Hg: N.D	
				Br: N.A.	

Unless otherwise stated, this test report is only responsible for the sample(s). This test report cannot be reproduced in part without prior written permission of the testing Lab. Any inquiry about this report, please raise from the date of receipt of the report within 30 days, overdue will not be accepted.

# Test Report

Report No.: NAP2402025905E

Page 12 of 27

TESTED MATERIAL	SCHEME	TARGET RoHS SUBSTANCES	TEST METHOD USED	XRF RESULT ( in mg/kg )	CHEMICAL TEST RESULT ( in mg/kg )
061	061	All	XRF	Cd: N.D	N/T
				Cr: N.D	
				Pb: N.D	
				Hg: N.D	
				Br: N.D	
062	062	All	XRF	Cd: N.D	N/T
				Cr: N.D	
				Pb: N.D	
				Hg: N.D	
				Br: N.A.	

Remark(s):

- RL = Reporting Limits
- N.D = Not Detected (<RL)
- Detected = below the lower screening limit of table (a) and pass
- Mg/kg = parts per million = ppm
- N/T = Not tested
- N.A.= Not applicable
- The customer selects the testing site, and the chemical testing conclusion only applies to the selected part.

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

Test Method: IEC 62321-8: 2017

Analyte	CAS No.	Requirement (Max.), %	Reporting Limit, %	Sample, %
				001+003+006+019+ 025+027+033+038+052+056
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

Unless otherwise stated, this test report is only responsible for the sample(s). This test report cannot be reproduced in part without prior written permission of the testing Lab. Any inquiry about this report, please raise from the date of receipt of the report within 30 days, overdue will not be accepted.

# Test Report

Report No.: NAP2402025905E

Page 13 of 27

<u>Analyte</u>	<u>CAS No.</u>	<u>Requirement (Max.), %</u>	<u>Reporting Limit, %</u>	<u>Sample, %</u>
				<b>004+007+008+028+ 030+031+034+035+061</b>
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	0.006
Diisobutyl Phthalate, DIBP	84-69-5	0.1	0.005	<0.005
<b>Rating</b>				PASS

<u>Analyte</u>	<u>CAS No.</u>	<u>Requirement (Max.), %</u>	<u>Reporting Limit, %</u>	<u>Sample, %</u>
				<b>005+009+026+041+043+054</b>
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
<b>Rating</b>				PASS

<u>Analyte</u>	<u>CAS No.</u>	<u>Requirement (Max.), %</u>	<u>Reporting Limit, %</u>	<u>Sample, %</u>
				<b>007+040+042+051+057+058</b>
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
<b>Rating</b>				PASS

<u>Analyte</u>	<u>CAS No.</u>	<u>Requirement (Max.), %</u>	<u>Reporting Limit, %</u>	<u>Sample, %</u>
				<b>024+039</b>
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
<b>Rating</b>				PASS

<u>Analyte</u>	<u>CAS No.</u>	<u>Requirement (Max.), %</u>	<u>Reporting Limit, %</u>	<u>Sample, %</u>
				<b>046+047+048+049+050+059</b>
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
<b>Rating</b>				PASS

Unless otherwise stated, this test report is only responsible for the sample(s). This test report cannot be reproduced in part without prior written permission of the testing Lab. Any inquiry about this report, please raise from the date of receipt of the report within 30 days, overdue will not be accepted.

# Test Report

Report No.: NAP2402025905E

Page 14 of 27

**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 customer selects the testing site, and the chemical testing conclusion only applies to the selected part.

**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 Cr<sup>6+</sup>.
- (b) Results are obtained by XRF for primary screening, and further chemical testing by ICP-OES(for Cd, Pb, Hg), UV-Vis(for Cr<sup>6+</sup>) 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	$BL \leq (70-3\sigma) < X < (130+3\sigma) \leq OL$	$BL \leq (70-3\sigma) < X < (130+3\sigma) \leq OL$	$LOD < X < (150+3\sigma) \leq OL$
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	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (500-3\sigma) < X < (1500+3\sigma) \leq OL$
Cr	$BL \leq (700-3\sigma) < X$	$BL \leq (700-3\sigma) < X$	$BL \leq (500-3\sigma) < X$
Br	$BL \leq (300-3\sigma) < X$	--	$BL \leq (250-3\sigma) < X$

**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.

# Test Report

Report No.: NAP2402025905E

Page 15 of 27

## TEST METHODS:

### (3) Wet Chemical Test Method

TESTING ITEM	CHEMICAL TESTING METHOD	RL	LIMIT
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 <sup>6+</sup> (for non-metal)	With reference to IEC 62321-7-2 Ed1.0:2017, by the colorimetric method	5.0mg/kg	1000mg/kg
Cr <sup>6+</sup> (for metal)	With reference to IEC 62321-7-1 Ed1.0:2015 by the water-boiling method	/	/
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 Cr<sup>6+</sup> for metal sample is shown as Positive/Negative.

Unless otherwise stated, this test report is only responsible for the sample(s). This test report cannot be reproduced in part without prior written permission of the testing Lab. Any inquiry about this report, please raise from the date of receipt of the report within 30 days, overdue will not be accepted.

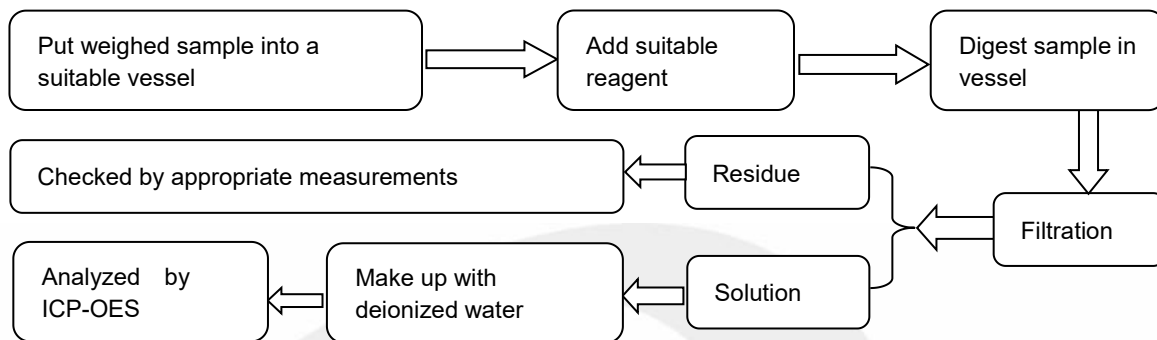
# Test Report

Report No.: NAP2402025905E

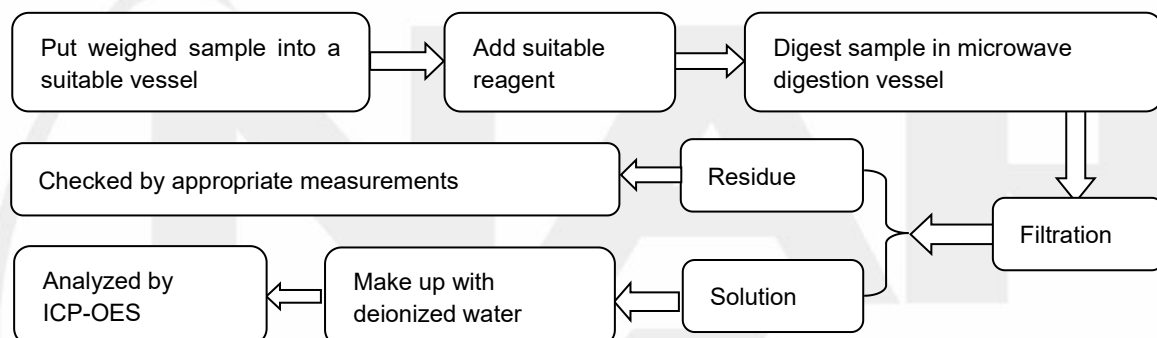
Page 16 of 27

## TEST PROCESS

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

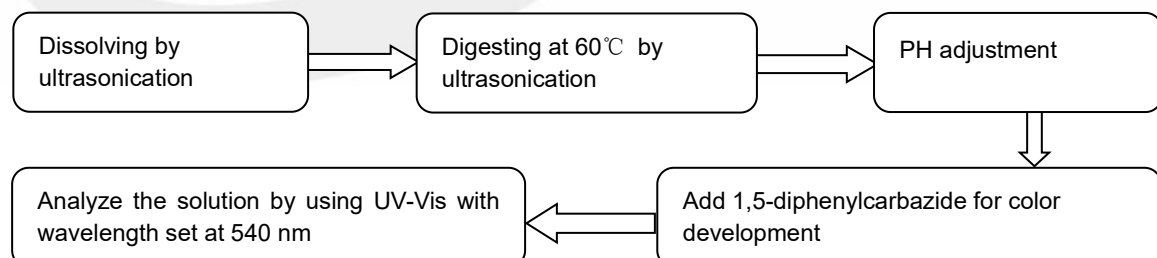


### 2. Test for Mercury (Hg) contents (IEC 62321-4 Ed1.1:2017):



### 3. Test for Nonmetallic Materials Chromium(Cr(VI)) contents (IEC 62321-7-2 Ed1.0:2017):

#### 3.1 ABS/PC/PVC



Unless otherwise stated, this test report is only responsible for the sample(s). This test report cannot be reproduced in part without prior written permission of the testing Lab. Any inquiry about this report, please raise from the date of receipt of the report within 30 days, overdue will not be accepted.

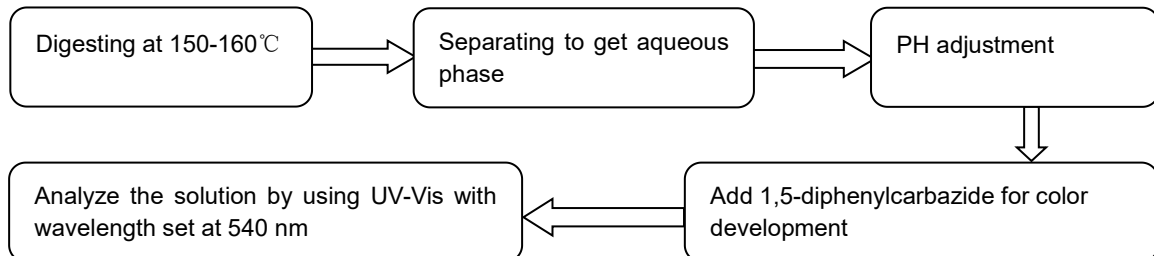


# Test Report

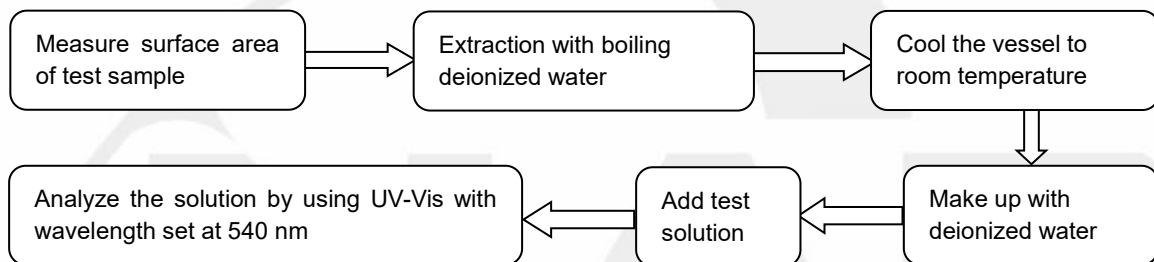
Report No.: NAP2402025905E

Page 17 of 27

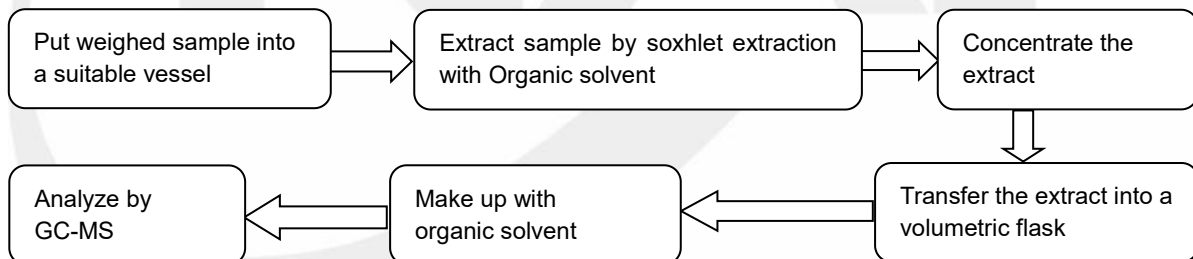
## 3.2 others



## 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):



Unless otherwise stated, this test report is only responsible for the sample(s). This test report cannot be reproduced in part without prior written permission of the testing Lab. Any inquiry about this report, please raise from the date of receipt of the report within 30 days, overdue will not be accepted.

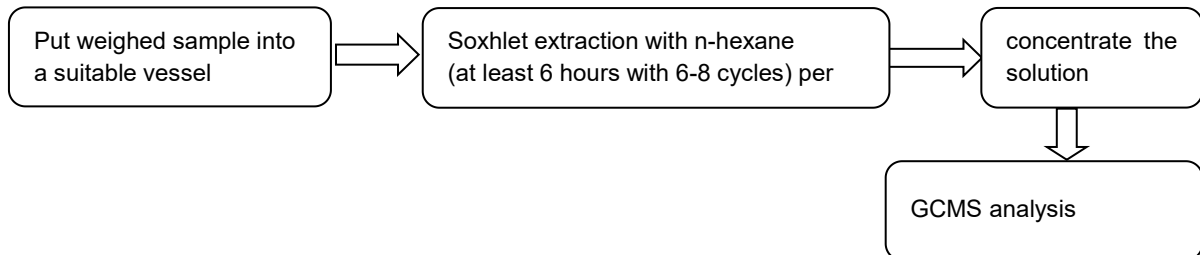
# Test Report

Report No.: NAP2402025905E

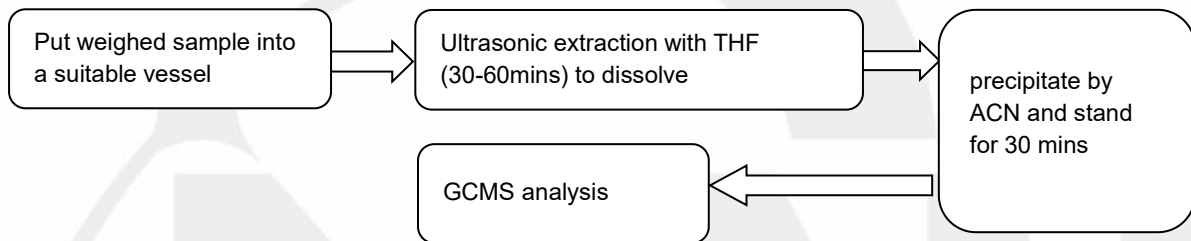
Page 18 of 27

## 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



Unless otherwise stated, this test report is only responsible for the sample(s). This test report cannot be reproduced in part without prior written permission of the testing Lab. Any inquiry about this report, please raise from the date of receipt of the report within 30 days, overdue will not be accepted.

# Test Report

Report No.: NAP2402025905E

Page 19 of 27

## Sample description:

- (001) Black plastic shell with white coating (remote control)
- (002) Silver metal spring (remote control battery compartment)
- (003) Black plastic shell with silver coating
- (004) Black LED light (on the shell)
- (005) Transparent/yellow/black plastic film
- (006) Black plastic wing with blue coating
- (007) Transparent LED light (on PCB)
- (008) Transparent black plastic sheet (wing arm)
- (009) Black plastic foam (wing arm)
- (010) Brown SMT capacitor
- (011) White LED light
- (012) Black electronic components (2305A)
- (013) Black electronic components
- (014) Silver metal shell (wing motor)
- (015) Copper coil (motor)
- (016) Copper metal ring (motor)
- (017) Transparent plastic wire jacket
- (018) Black electronic components (BNE)
- (019) Off white plastic plug (on PCB)
- (020) Silver electronic components (16.000)
- (021) Copper metal plug
- (022) Black electronic components (2343s7)
- (023) Black electronic components (2127)
- (024) Red PCB
- (025) Black plastic components
- (026) Brown plastic conveyor belt
- (027) Black plastic joystick (remote control)
- (028) Black plastic button (remote control)
- (029) Silver metal plate (switch)
- (030) Black plastic shell (buzzer)
- (031) Red LED light
- (032) Silver metal shell (joystick)
- (033) Red plastic shell (joystick)
- (034) Dark blue plastic base (joystick)
- (035) Black plastic base (joystick)
- (036) Tin Soldering
- (037) Silver metal spring (inside the joystick)

Unless otherwise stated, this test report is only responsible for the sample(s). This test report cannot be reproduced in part without prior written permission of the testing Lab. Any inquiry about this report, please raise from the date of receipt of the report within 30 days; overdue will not be accepted.

# Test Report

Report No.: NAP2402025905E

Page 20 of 27

- (038) White plastic component (camera)
- (039) Blue PCB (battery)
- (040) Black plastic wire jacket (battery)
- (041) Transparent/white plastic film (battery)
- (042) Red plastic wire jacket (battery)
- (043) Black soft plastic cover
- (044) Silver metal disc (buzzer)
- (045) Black magnetic ring (buzzer)
- (046) Black plastic wire jacket
- (047) Red plastic wire jacket
- (048) Light purple plastic wire jacket
- (049) Blue plastic wire jacket
- (050) White plastic wire jacket
- (051) Yellow plastic wire jacket
- (052) Red plastic plug
- (053) Silver metal shell (USB plug)
- (054) White plastic shell (USB plug)
- (055) Silver metal pins (USB plug)
- (056) White plastic plug (USB plug)
- (057) White plastic wire jacket (thick/charging wire)
- (058) White plastic wire jacket (charging wire)
- (059) Yellow plastic wire jacket (charging wire)
- (060) Silver metal screw
- (061) Black plastic grip (screwdriver)
- (062) Silver metal screwdriver head

## Photo(s) of test sample(s):



(Whole product)

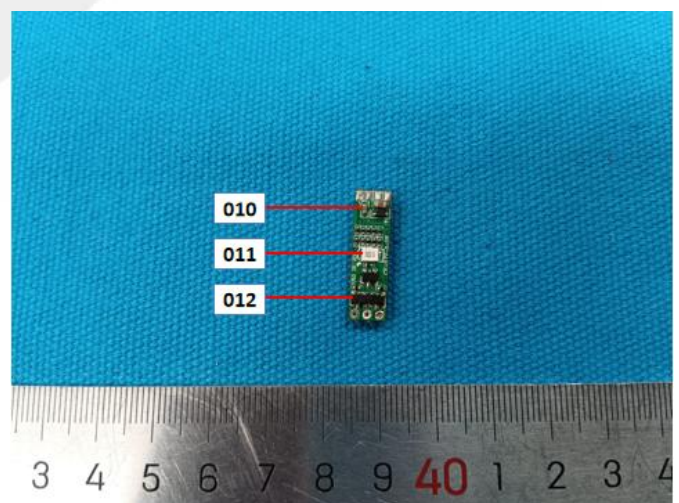
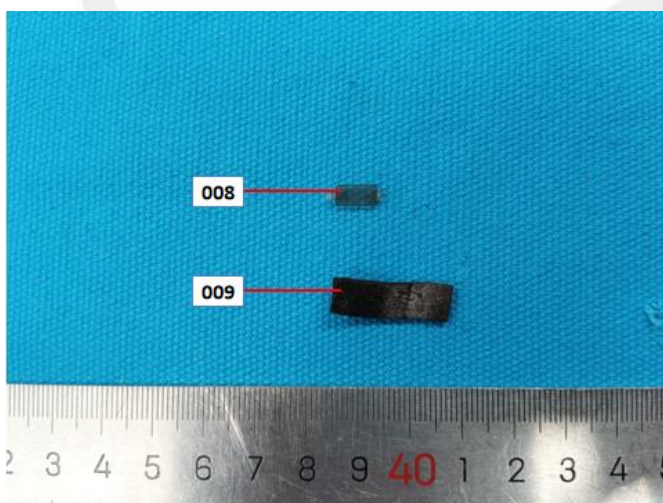
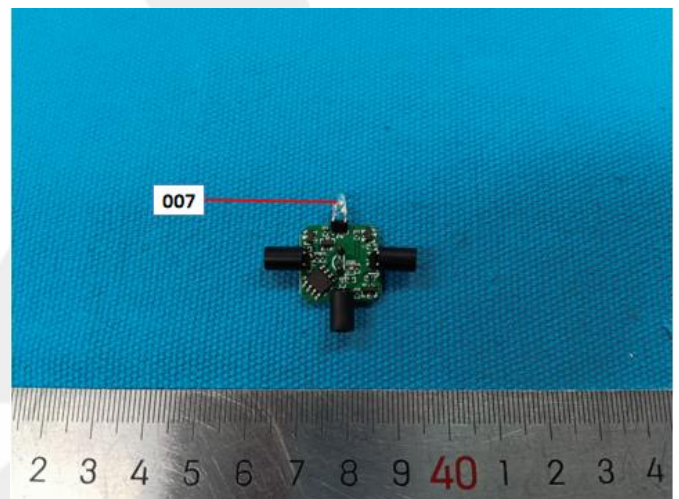
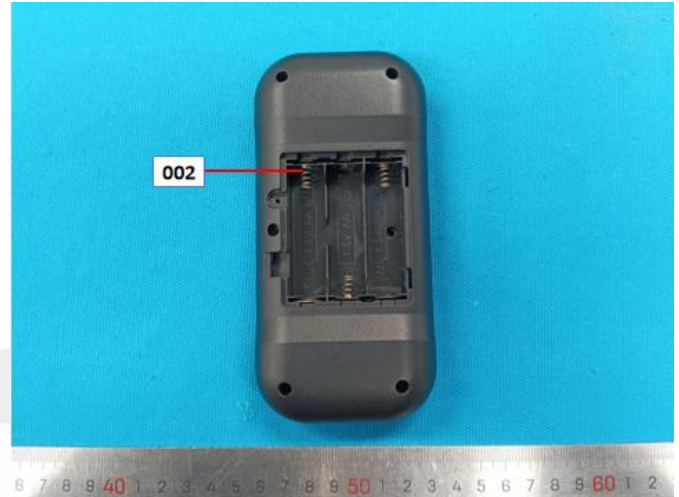
Unless otherwise stated, this test report is only responsible for the sample(s). This test report cannot be reproduced in part without prior written permission of the testing Lab. Any inquiry about this report, please raise from the date of receipt of the report within 30 days, overdue will not be accepted.



# Test Report

Report No.: NAP2402025905E

Page 21 of 27



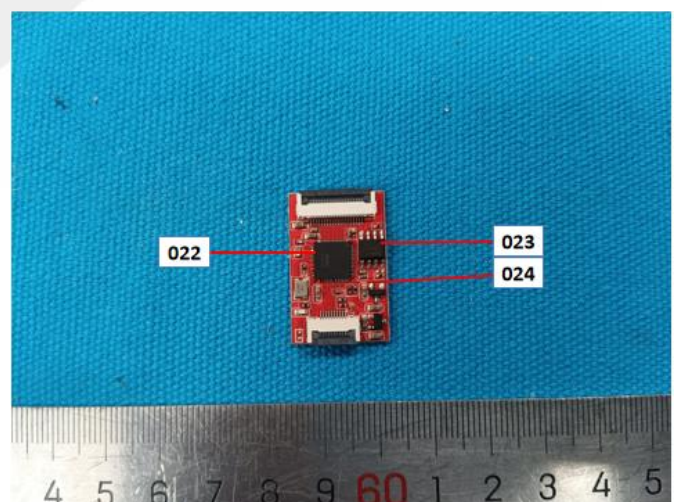
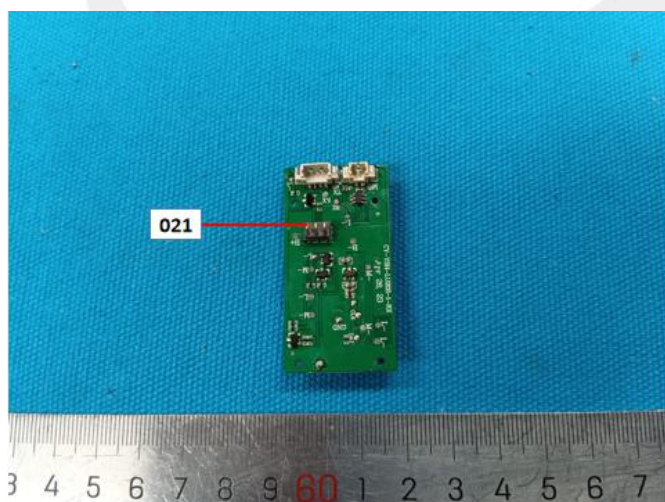
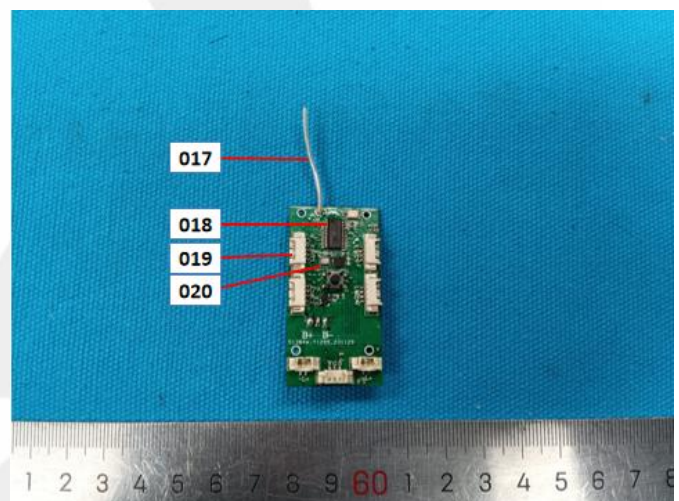
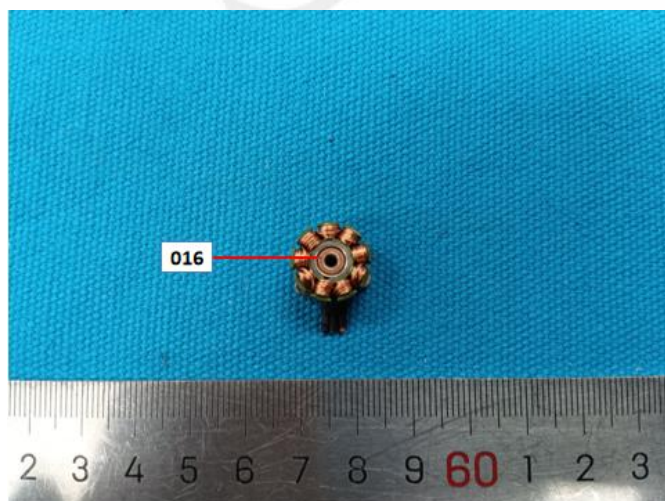
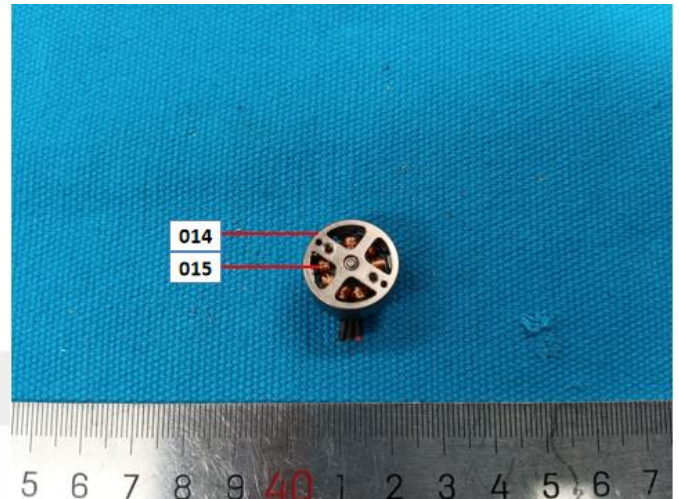
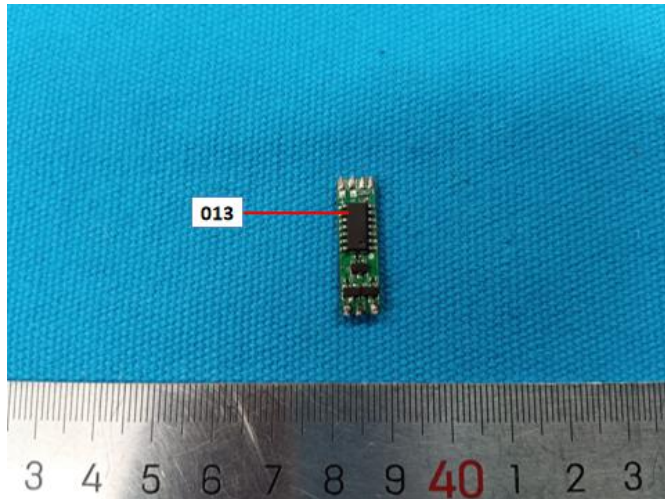
Unless otherwise stated, this test report is only responsible for the sample(s). This test report cannot be reproduced in part without prior written permission of the testing Lab. Any inquiry about this report, please raise from the date of receipt of the report within 30 days, overdue will not be accepted.



# Test Report

Report No.: NAP2402025905E

Page 22 of 27



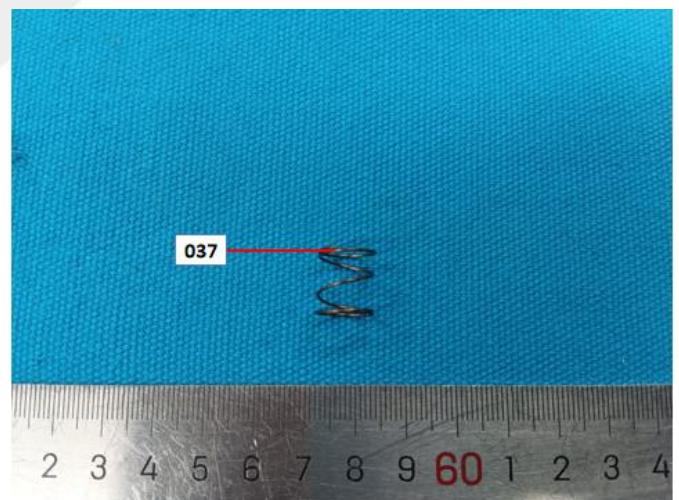
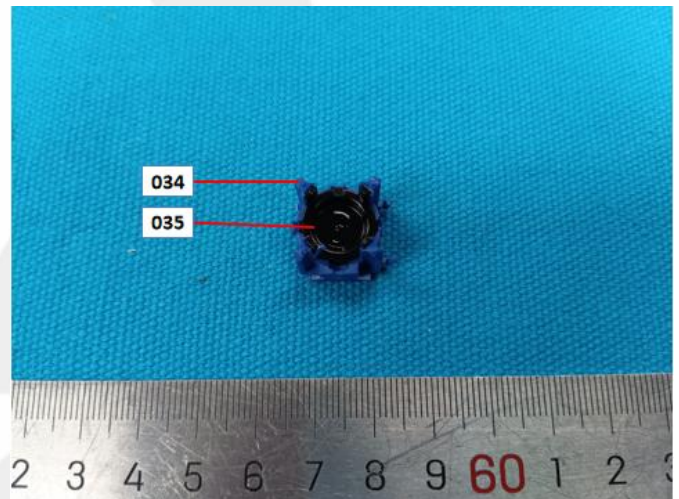
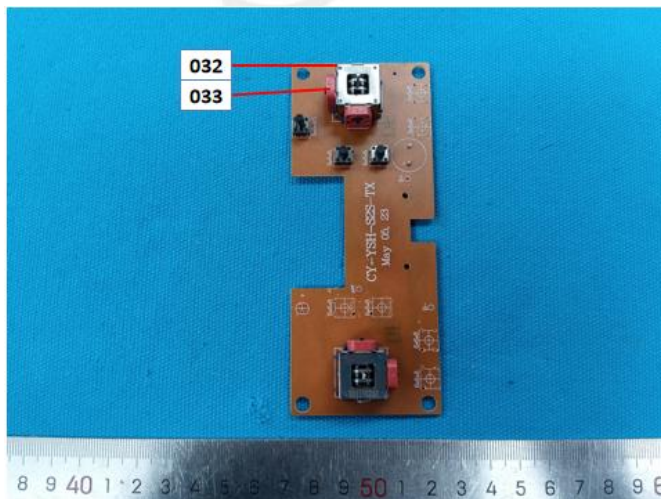
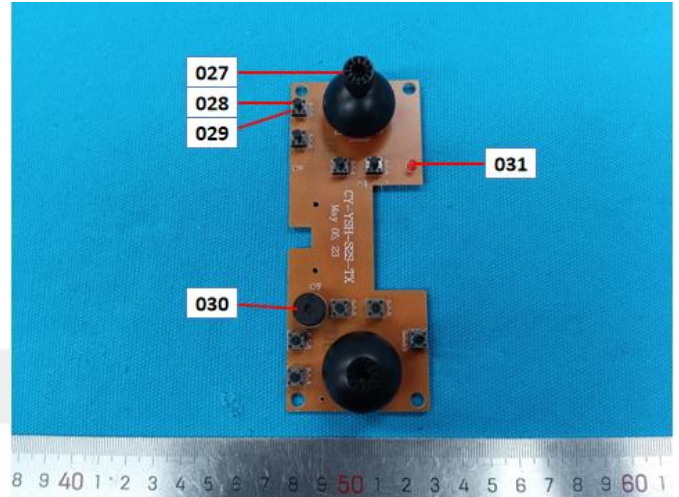
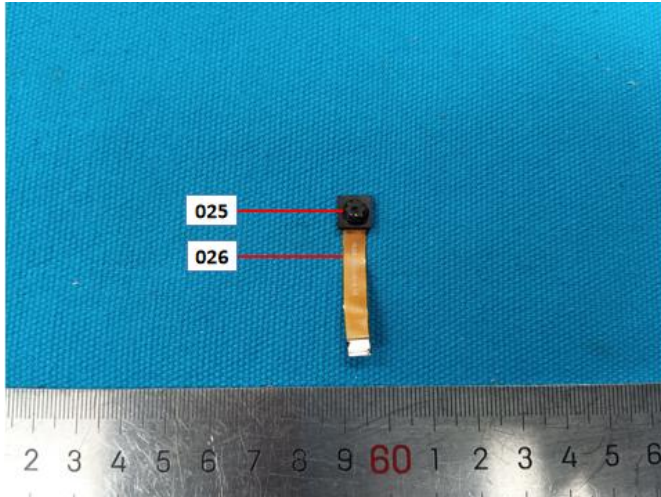
Unless otherwise stated, this test report is only responsible for the sample(s). This test report cannot be reproduced in part without prior written permission of the testing Lab. Any inquiry about this report, please raise from the date of receipt of the report within 30 days, overdue will not be accepted.



# Test Report

Report No.: NAP2402025905E

Page 23 of 27



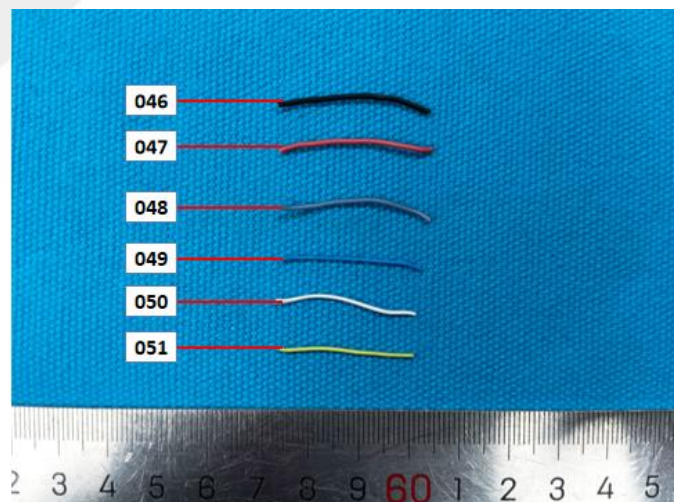
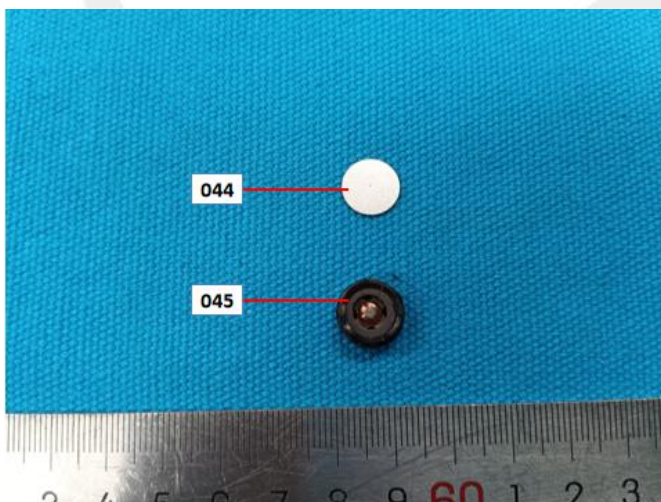
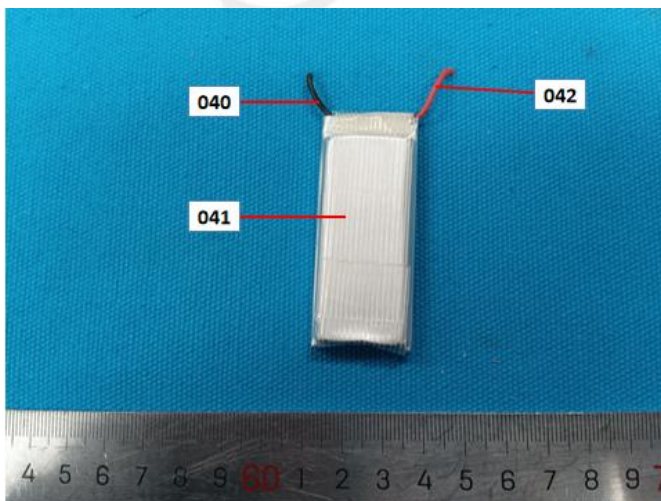
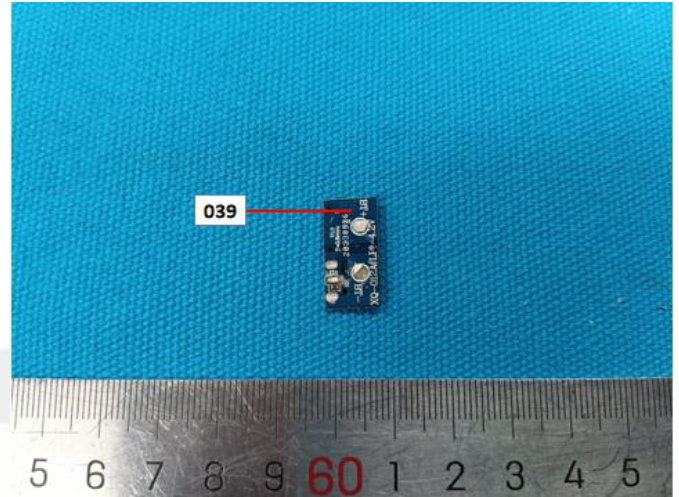
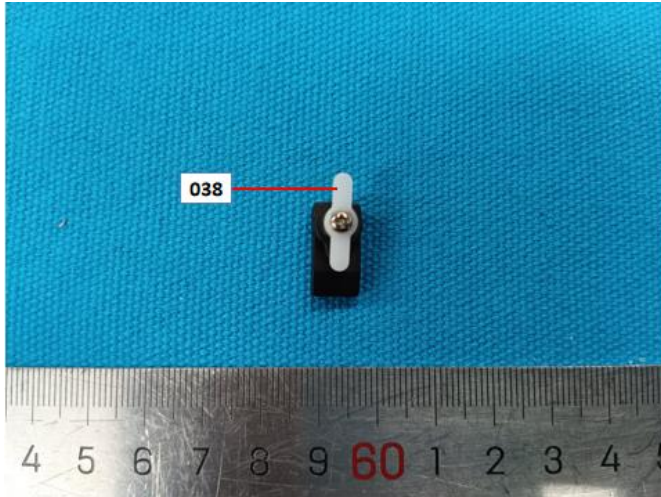
Unless otherwise stated, this test report is only responsible for the sample(s). This test report cannot be reproduced in part without prior written permission of the testing Lab. Any inquiry about this report, please raise from the date of receipt of the report within 30 days, overdue will not be accepted.



# Test Report

Report No.: NAP2402025905E

Page 24 of 27



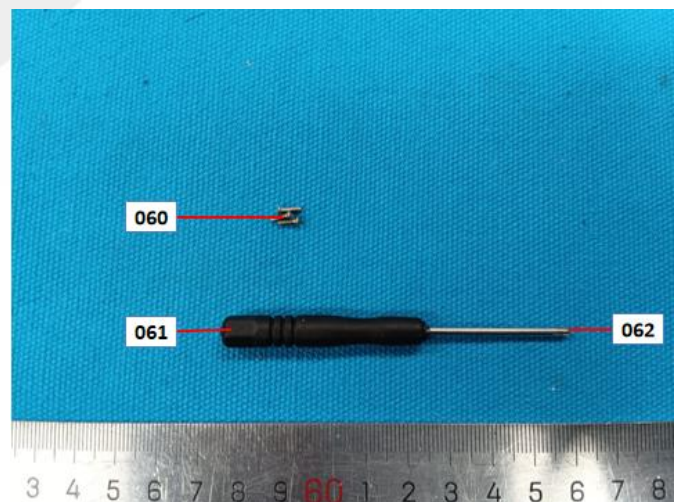
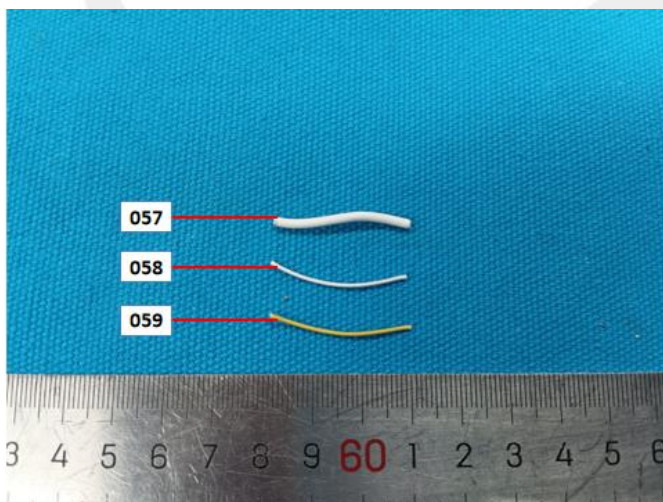
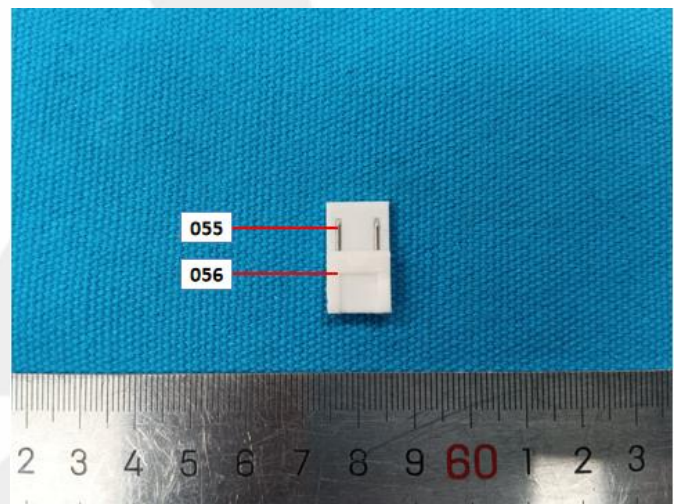
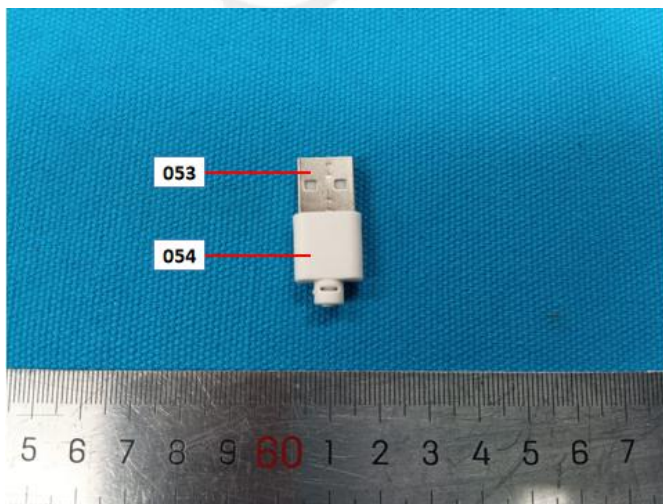
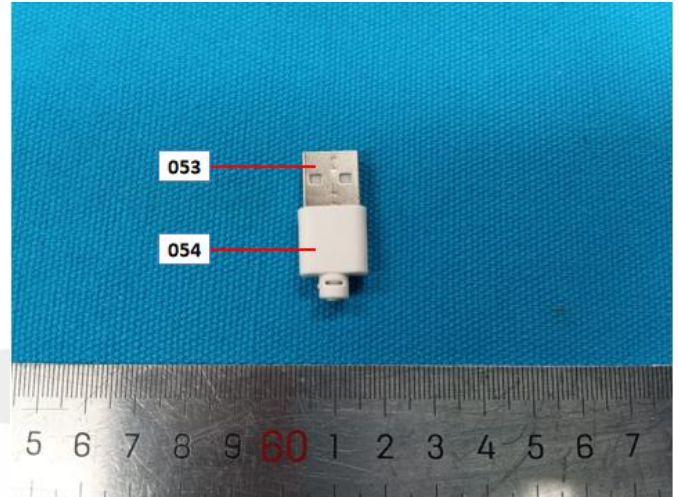
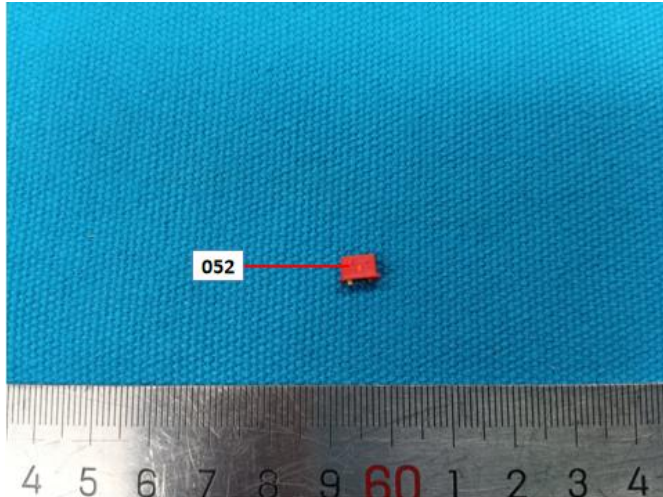
Unless otherwise stated, this test report is only responsible for the sample(s). This test report cannot be reproduced in part without prior written permission of the testing Lab. Any inquiry about this report, please raise from the date of receipt of the report within 30 days, overdue will not be accepted.



# Test Report

Report No.: NAP2402025905E

Page 25 of 27



Unless otherwise stated, this test report is only responsible for the sample(s). This test report cannot be reproduced in part without prior written permission of the testing Lab. Any inquiry about this report, please raise from the date of receipt of the report within 30 days, overdue will not be accepted.



# Test Report

Report No.: NAP2402025905E

Page 26 of 27

## Additional Photo(s):



Unless otherwise stated, this test report is only responsible for the sample(s). This test report cannot be reproduced in part without prior written permission of the testing Lab. Any inquiry about this report, please raise from the date of receipt of the report within 30 days, overdue will not be accepted.

# Test Report

Report No.: NAP2402025905E

Page 27 of 27



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

Unless otherwise stated, this test report is only responsible for the sample(s). This test report cannot be reproduced in part without prior written permission of the testing Lab. Any inquiry about this report, please raise from the date of receipt of the report within 30 days, overdue will not be accepted.