



TEST REPORT

Report No.: ZTS24062104KRH

Date: 2024.06.27

Page 1 of 10

Applicant : **Fyde Innovations LTD**
Address : **124 City Road, London, United Kingdom**
Manufacturer : **Jwipc Technology Co., Ltd.**
Address : **B-1303, Haisong Mansion, Chegongmiao, Futian District, Shenzhen, Guangdong, China**

Report on the submitted samples said to be:

Sample Name : Tablet Computer
Trade Mark : Fydetab Duo
Tested Style No. : Fydetab Duo
Series models : N/A
Sample reception time : Jun. 21, 2024
Testing Period : Jun. 21, 2024 ~ Jun. 27, 2024
Test method : Please refer to next page(s).
Results : Please refer to next page(s).

CONCLUSION:

According to client's request to conduct below tests in the selected parts of the submitted sample::

TEST ITEM	RESULT
RoHS Directive 2011/65/EU Annex II amending Annex(EU)2015/863 and amending Annex (EU)2017/2102	
- Lead, Cadmium, Mercury, Hexavalent Chromium, PBBs and PBDEs Content	Pass
- Di-(2-ethylhexyl) phthalate(DEHP), Benzylbutyl phthalate(BBP), Dibutyl phthalate(DBP), Diisobutyl phthalate(DIBP) Content	Pass

Signed for and on behalf of
Shenzhen ZTS Testing Service Co., Ltd.

Hailiang Mo
Hailiang Mo





TEST REPORT

Report No.: ZTS24062104KRH

Date:2024.06.27

Page 2 of 10

TESTPART(S):

Part(s)No.	SampleDescription
P1	LCD display screen
P2	Silver metal shell
P3	Silver metal
P4	Black plastic
P5	Silver magnet
P6	Black plastic
P7	Red plastic wire skin
P8	Black plastic wire leather
P9	Yellow plastic wire skin
P10	Black foam
P11	Gold metal
P12	Silver metal
P13	Black plastic
P14	Silver metal
P15	White plastic
P16	Silver metal sheet
P17	Black plastic
P18	White plastic wire skin
P19	Black plastic wire leather
P20	Golden plastic
P21	Black plastic
P22	Gold metal
P23	Green PCB board



TEST REPORT

Report No.: ZTS24062104KRH

Date:2024.06.27

Page 3 of 10

Test Result:

Lead, Cadmium, Mercury, Hexavalent Chromium, PBBs and PBDEs Content -RoHS Directive 2011/65/EU Annex II amending Annex(EU)2015/863 and amending Annex (EU)2017/2012

Method(s) Used: Please refer to Annex B

PRELIMINARY SCREENING ASSESSMENT

PartNo.	Result(s)(mg/kg)				
	Lead	Cadmium	Mercury	Chromium	Bromine
P1	BL	BL	BL	BL	BL
P2	BL	BL	BL	BL	N/A
P3	BL	BL	BL	BL	N/A
P4	BL	BL	BL	BL	BL
P5	BL	BL	BL	BL	BL
P6	BL	BL	BL	BL	BL
P7	BL	BL	BL	BL	BL
P8	BL	BL	BL	BL	BL
P9	BL	BL	BL	BL	BL
P10	BL	BL	BL	BL	BL
P11	BL	BL	BL	BL	N/A
P12	BL	BL	BL	BL	N/A
P13	BL	BL	BL	BL	BL
P14	BL	BL	BL	BL	N/A
P15	BL	BL	BL	BL	BL
P16	BL	BL	BL	BL	N/A
P17	BL	BL	BL	BL	BL
P18	BL	BL	BL	BL	BL
P19	BL	BL	BL	BL	BL
P20	BL	BL	BL	BL	BL
P21	BL	BL	BL	BL	BL
P22	BL	BL	BL	BL	N/A
P23	BL	BL	BL	BL	BL

Note(s): - APPENDIX A for interpretation of EDXRF results (Standard IEC 62321-3-1)



TEST REPORT

Report No.: ZTS24062104KRH

Date:2024.06.27

Page 4 of 10

APPENDIX A

Element	Polymer Materials	Metallic Materials	Composite Materials
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	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (500-3\sigma) < X < (1500+3\sigma) \leq OL$
Br	$BL \leq (300-3\sigma) < X$	NA	$BL \leq (250-3\sigma) < X$
Cr	$BL \leq (700-3\sigma) < X$	$BL \leq (700-3\sigma) < X$	$BL \leq (500-3\sigma) < X$

Note(s): Results was obtained by EDXRF for primary screening. According the APPENDIX A below, further chemical testing by ICP (for Cd, Pb, Hg), UV-VIS (for CrVI) and GCMSD (for PBBs, PBDEs) have to be performed, if the XRF results is in the range defined as inconclusive (X). Further chemical testing is also proposed when results are over limit (OL) in order to have a numeral result to compare to the limits set by the Directive 2011/65/EU.



TEST REPORT

Report No.: ZTS24062104KRH

Date:2024.06.27

Page 5 of 10

APPENDIX

List of Analytes and their Corresponding Test Methods [European Council Directive 2011/65/EU] :		
No.	Name of Analytes	Test Method(s)
1	Lead(Pb), mercury(Hg), cadmium(Cd), total chromium(Cr) and total bromine(Br) using X-ray fluorescence spectrometry	With reference to IEC 62321-3-1:2013
2	Lead (Pb)	With reference to IEC 62321-5:2013
3	Cadmium (Cd)	
4	Mercury (Hg)	With reference to IEC 62321-4:2013/AMD1:2017
5	ChromiumVI (CrVI)	Metal: With reference to IEC 62321-7-1:2015 Polymers & Electronics: With reference to IEC 62321-7-2:2017
6	Polybromobiphenyls (PBBs) -Bromobiphenyl (MonoBB) -Dibromobiphenyl (DiBB) -Tribromobiphenyl (TriBB) -Tetrabromobiphenyl (TetraBB) -Pentabromobiphenyl (PentaBB) -Hexabromobiphenyl (HexaBB) -Heptabromobiphenyl (HeptaBB) -Octabromobiphenyl (OctaBB) -Nonabromobiphenyl (NonaBB) -Decabromobiphenyl (DecaBB)	With reference to IEC 62321-6:2015
7	Polybromodiphenyl ethers (PBDEs) -Bromodiphenyl ether (MonoBDE) -Dibromodiphenyl ether (DiBDE) -Tribromodiphenyl ether (TriBDE) -Tetrabromodiphenyl ether (TetraBDE) -Pentabromodiphenyl ether (PentaBDE) -Hexabromodiphenyl ether (HexaBDE) -Heptabromodiphenyl ether (HeptaBDE) -Octabromodiphenyl ether (OctaBDE) -Nonabromodiphenyl ether (NonaBDE) -Decabromodiphenyl ether (DecaBDE)	

The principle of this method was evaluated and supported by two studies organized by IEC TC 111 WG3. These studies were focused on detecting the presence of Cr VI in the corrosion protection coatings on metallic samples.



TEST REPORT

Report No.: ZTS24062104KRH

Date:2024.06.27

Page 6 of 10

Di-(2-ethylhexyl) phthalate(DEHP), Benzylbutyl phthalate(BBP), Dibutyl phthalate(DBP), Diisobutyl phthalate(DIBP) Content- RoHS Directive 2011/65/EU Annex II amending Annex(EU)2015/863 and amending Annex (EU)2017/2012

Method(s) Used: IEC 62321-8:2017, analyzed by Gas Chromatography with Mass Selective Detector

Testparameter (s)	CAS No.	Result(s)(mg/kg)	Limit(mg/kg)
		P1+P4+P5	
(BBP)Benzyl-n-butyl phthalate (BBP)	85-68-7	Not detected <50	1000
Di-n-butyl phthalate (DBP)	84-74-2	Not detected <50	1000
Di (2-ethylhexyl) phthalate (DEHP)	117-81-7	Not detected <50	1000
Di-iso-butyl phthalate (DIBP)	84-69-5	Not detected <50	1000
Conclusion		Pass	Pass

Testparameter (s)	CAS No.	Result(s)(mg/kg)	Limit(mg/kg)
		P6+P7+P8	
(BBP)Benzyl-n-butyl phthalate (BBP)	85-68-7	Not detected <50	1000
Di-n-butyl phthalate (DBP)	84-74-2	Not detected <50	1000
Di (2-ethylhexyl) phthalate (DEHP)	117-81-7	Not detected <50	1000
Di-iso-butyl phthalate (DIBP)	84-69-5	Not detected <50	1000
Conclusion		Pass	Pass



TEST REPORT

Report No.: ZTS24062104KRH

Date:2024.06.27

Page 7 of 10

Testparameter (s)	CAS No.	Result(s)(mg/kg)	Limit(mg/kg)
		P9+P10+P13	
(BBP)Benzyl-n-butyl phthalate (BBP)	85-68-7	Not detected <50	1000
Di-n-butyl phthalate (DBP)	84-74-2	Not detected <50	1000
Di (2-ethylhexyl) phthalate (DEHP)	117-81-7	Not detected <50	1000
Di-iso-butyl phthalate (DIBP)	84-69-5	Not detected <50	1000
Conclusion		Pass	Pass

Testparameter (s)	CAS No.	Result(s)(mg/kg)	Limit(mg/kg)
		P17+P18+P19	
(BBP)Benzyl-n-butyl phthalate (BBP)	85-68-7	Not detected <50	1000
Di-n-butyl phthalate (DBP)	84-74-2	Not detected <50	1000
Di (2-ethylhexyl) phthalate (DEHP)	117-81-7	Not detected <50	1000
Di-iso-butyl phthalate (DIBP)	84-69-5	Not detected <50	1000
Conclusion		Pass	Pass

Testparameter (s)	CAS No.	Result(s)(mg/kg)	Limit(mg/kg)
		P20+P21+P23	
(BBP)Benzyl-n-butyl phthalate (BBP)	85-68-7	Not detected <50	1000
Di-n-butyl phthalate (DBP)	84-74-2	Not detected <50	1000
Di (2-ethylhexyl) phthalate (DEHP)	117-81-7	Not detected <50	1000
Di-iso-butyl phthalate (DIBP)	84-69-5	Not detected <50	1000
Conclusion		Pass	Pass

- Method Detection Limit:50mg/kg(each)



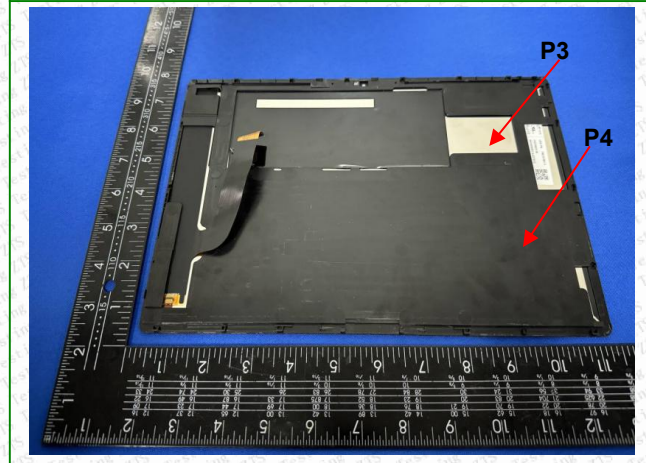
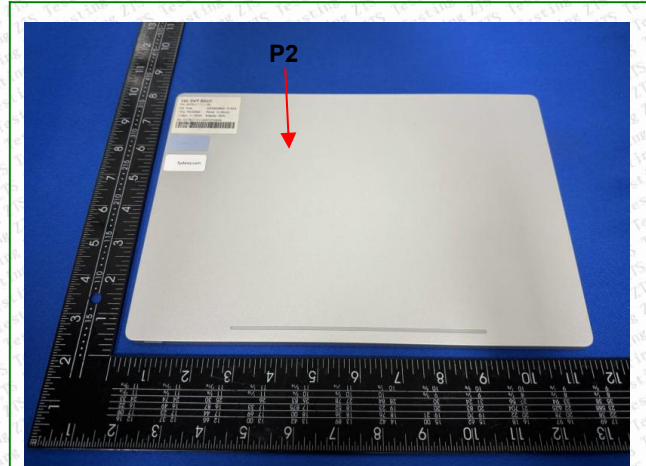
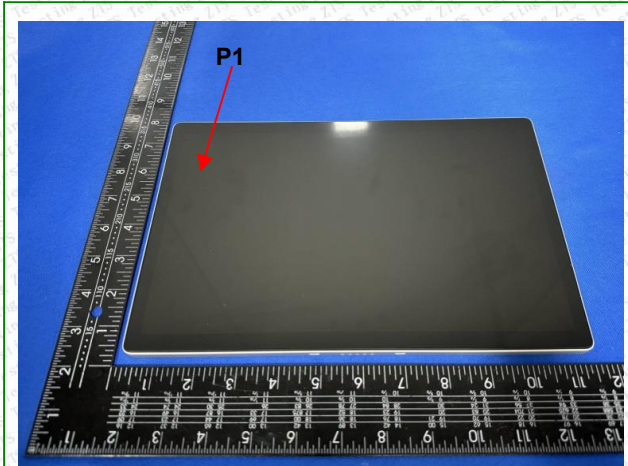
TEST REPORT

Report No.: ZTS24062104KRH

Date:2024.06.27

Page 8 of 10

Part photo:



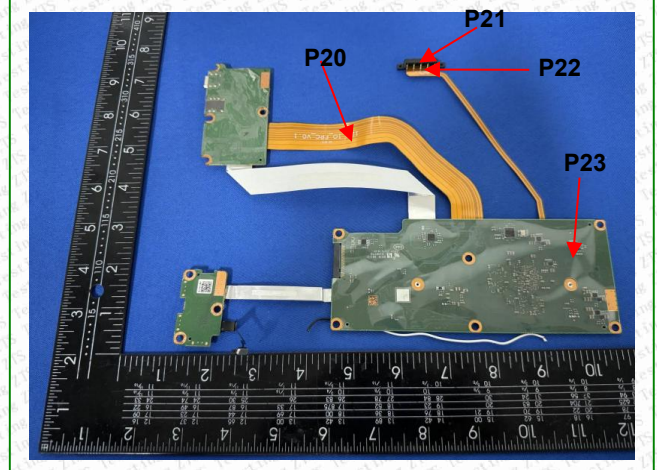
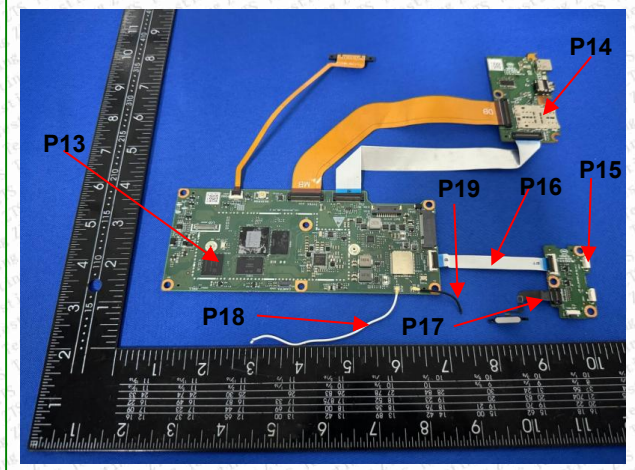
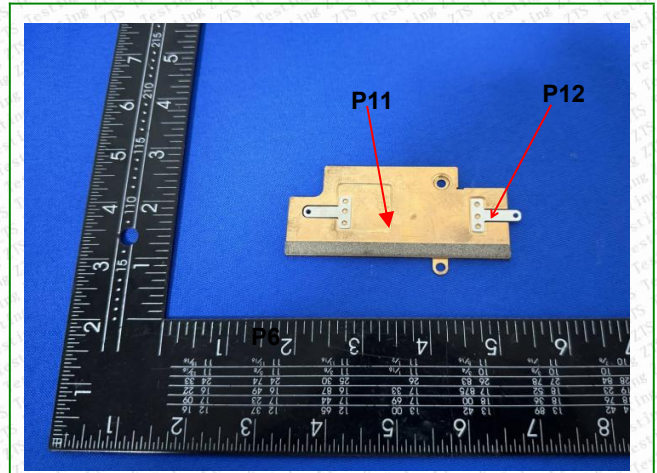
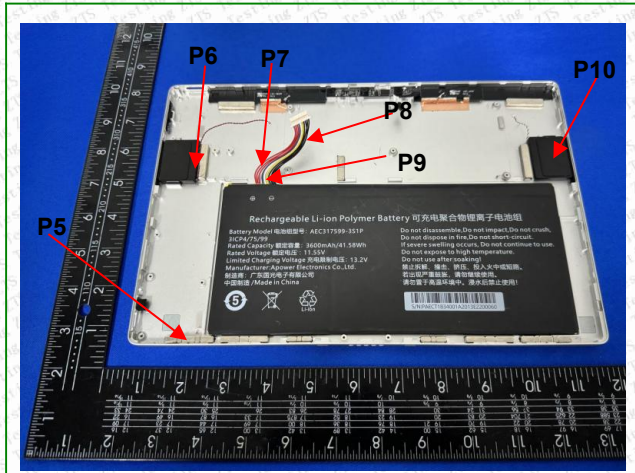


TEST REPORT

Report No.: ZTS24062104KRH

Date:2024.06.27

Page 9 of 10





TEST REPORT

Report No.: ZTS24062104KRH

Date:2024.06.27

Page 10 of 10

PHOTOGRAPH OF SAMPLE



Photo1

Statement:

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2. The result(s) shown in this report refer only to the sample(s) tested.
3. Without written approval of ZTS, this report can't be reproduced except in full.
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***END OF REPORT ***