



# TEST REPORT

Report No.: ZTS24062104KRH

Date:2024.06.27

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**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::

| TESTITEM                                                                                                                    | 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





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## 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            |



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## 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)



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## 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.



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## 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<br>Polymers & Electronics:<br>With reference to IEC 62321-7-2:2017 |
| 6                                                                                                 | Polybromobiphenyls (PBBs)<br>-Bromobiphenyl (MonoBB)<br>-Dibromobiphenyl (DiBB)<br>-Tribromobiphenyl (TriBB)<br>-Tetrabromobiphenyl (TetraBB)<br>-Pentabromobiphenyl (PentaBB)<br>-Hexabromobiphenyl (HexaBB)<br>-Heptabromobiphenyl (HeptaBB)<br>-Octabromobiphenyl (OctaBB)<br>-Nonabromobiphenyl (NonaBB)<br>-Decabromobiphenyl (DecaBB)                                                                              | With reference to IEC 62321-6:2015                                                                             |
| 7                                                                                                 | Polybromodiphenyl ethers (PBDEs)<br>-Bromodiphenyl ether (MonoBDE)<br>-Dibromodiphenyl ether (DiBDE)<br>-Tribromodiphenyl ether (TriBDE)<br>-Tetrabromodiphenyl ether (TetraBDE)<br>-Pentabromodiphenyl ether (PentaBDE)<br>-Hexabromodiphenyl ether (HexaBDE)<br>-Heptabromodiphenyl ether (HeptaBDE)<br>-Octabromodiphenyl ether (OctaBDE)<br>-Nonabromodiphenyl ether (NonaBDE)<br>-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.



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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<br><50 | 1000         |
| Di-n-butyl phthalate (DBP)          | 84-74-2  | Not detected<br><50 | 1000         |
| Di (2-ethylhexyl) phthalate (DEHP)  | 117-81-7 | Not detected<br><50 | 1000         |
| Di-iso-butyl phthalate (DIBP)       | 84-69-5  | Not detected<br><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<br><50 | 1000         |
| Di-n-butyl phthalate (DBP)          | 84-74-2  | Not detected<br><50 | 1000         |
| Di (2-ethylhexyl) phthalate (DEHP)  | 117-81-7 | Not detected<br><50 | 1000         |
| Di-iso-butyl phthalate (DIBP)       | 84-69-5  | Not detected<br><50 | 1000         |
| Conclusion                          |          | Pass                | Pass         |



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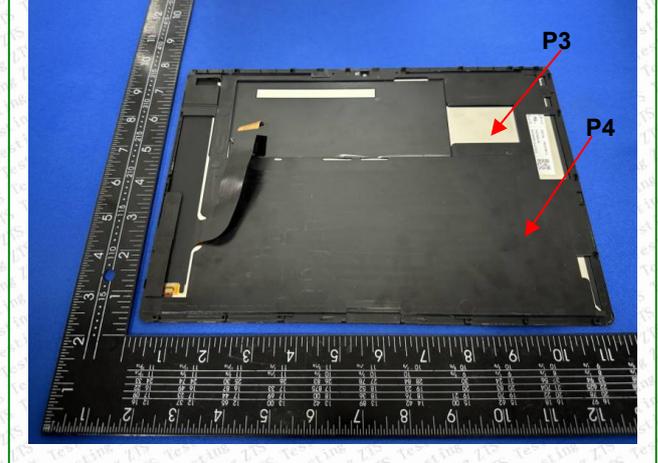
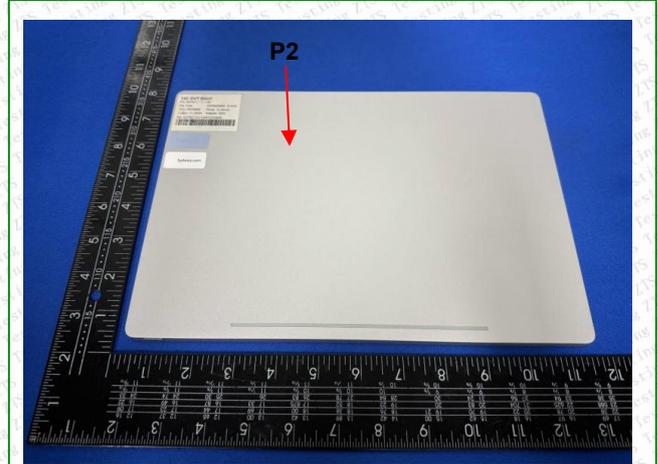
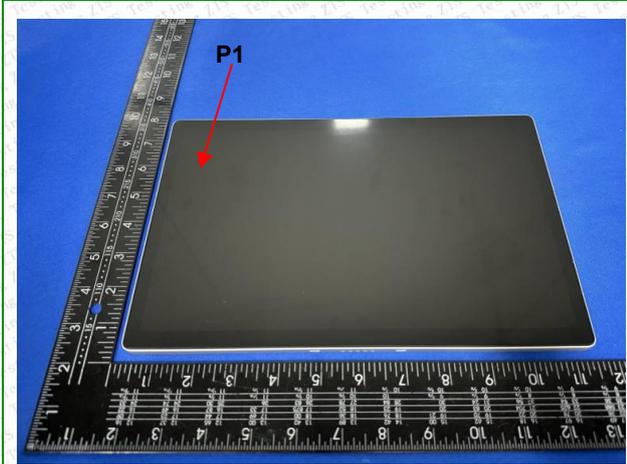
| Testparameter (s)                   | CAS No.  | Result(s)(mg/kg)    | Limit(mg/kg) |
|-------------------------------------|----------|---------------------|--------------|
|                                     |          | P9+P10+P13          |              |
| (BBP)Benzyl-n-butyl phthalate (BBP)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

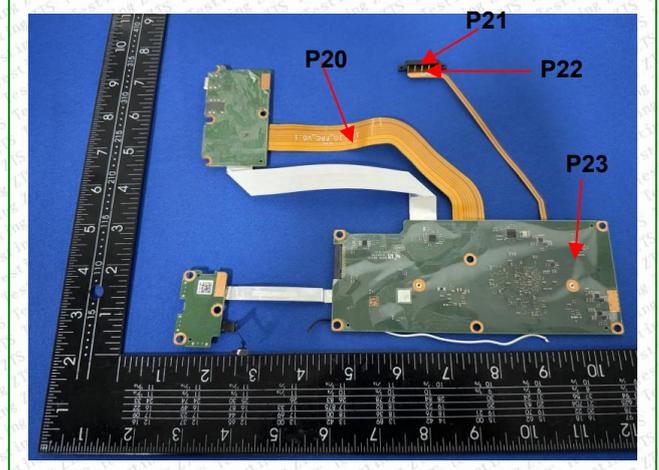
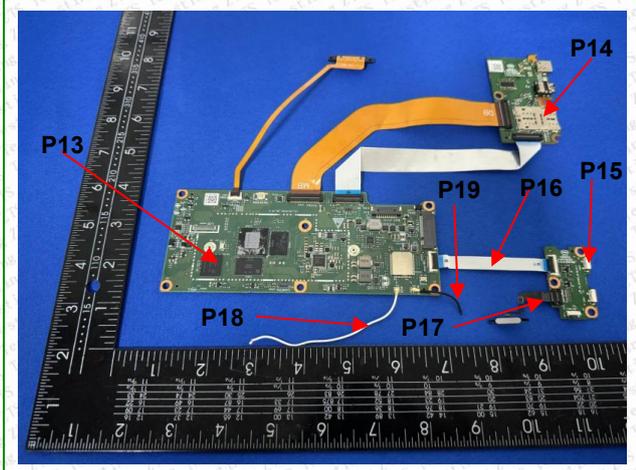
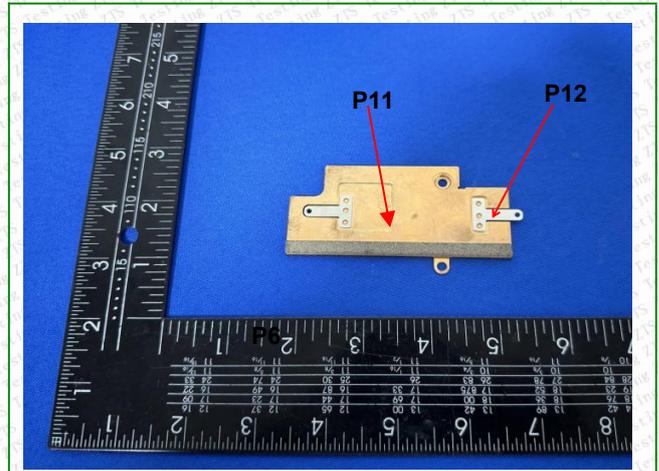
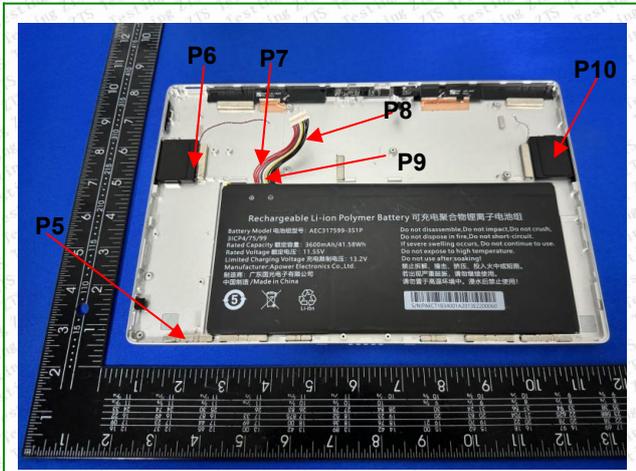
| Testparameter (s)                   | CAS No.  | Result(s)(mg/kg)    | Limit(mg/kg) |
|-------------------------------------|----------|---------------------|--------------|
|                                     |          | P17+P18+P19         |              |
| (BBP)Benzyl-n-butyl phthalate (BBP)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

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

**Part photo:**





## PHOTOGRAPH OF SAMPLE



Photo1

### Statement:

1. The test report is considered invalidated without approval signature, special seal on the perforation.
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.
4. The sample(s) and sample information was/were provided by the client who should be responsible for the authenticity which ZTS hasn't verified.
5. In case of any discrepancy between the English version and Chinese version of the testing reports (if generated), the Chinese version shall prevail.

\*\*\*END OF REPORT \*\*\*\*