TEST REPORT

Applicant:	SHENZHEN Magic Chip TECHNOLOGY CO.,LTD
Address of Applicant:	5E, JinDa City, Central Road, Xinqiao Street, Baoan District, Shenzhen City, China 518125
Manufacturer/Factory:	SHENZHEN Magic Chip TECHNOLOGY CO.,LTD
Address of Manufacturer/Factory:	5E, JinDa City, Central Road, Xinqiao Street, Baoan District, Shenzhen City, China 518125
Equipment Under Test (EUT)	
Product Name:	MINI PC
Model No.:	MCIPC8, MCIPC, MCIPCA, MCIPCB, MCIPCD, MCIPCE, MCTPC, MCMQ, MCSR, MCNAS12, MCNAS14,MCNAS11, MCAIPC1, MCAIPC2, MCAIPC, MCN5, MCMQ12, MCMQ13, MCMQR, MCMQ, MCVX4, MCNUC, MCNASPC, MCNAS
Trade Mark:	N/A
Description:	Appearance differences
Date of sample receipt:	Sep. 16, 2026
Date of Test:	Sep. 16, 2026 to Sep. 22, 2026
Date of report issued:	Sep. 22, 2026
Test Result :	**Please refer to next page(s).**

* In the configuration tested, the EUT complied with the standards specified above.

Kevin He/Project Engineer

Alice Zhang/Technical Manager

SHENZHEN HYCERT CO.,LTD. HYC

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TEST REQUEST		Conclusion
A.	RoHS Directive 2011/65/EU and amendment directives (EU) 2015/863 on Lead,Cadmium, Mercury, Hexavalent Chromium, PBBs&PBDEs, Phthalates(DBP, BBP, DEHP,DIBP) content	
A.1	XRF screening test	Pass
A.2	Wet Chemical Testing	Pass
A.2.1	Hexavalent chromium (Cr(VI)) content	Pass
A.2.2	PBBs & PBDEs content	Pass
A.3	Phthalates(DBP, BBP, DEHP,DIBP) content	Pass

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Result(s):

A. RoHS Directive 2011/65/EU and amendment directives (EU) 2015/863 on Lead, Cadmium, Mercury, Hexavalent Chromium, PBBs & PBDEs, Phthalates(DBP, BBP, DEHP,DIBP) content

A.1. XRF screening test

Test method: IEC 62321-3-1:2026

No.	Tested Parts	Result				
		Pb	Cd	Hg	Cr	Br
1	Silver metal	BL	BL	BL	BL	--
2	Black plastic	BL	BL	BL	BL	X
3	Black plastic	BL	BL	BL	BL	BL
4	Black leather case	BL	BL	BL	BL	BL
5	Black plastic	BL	BL	BL	BL	BL
6	Silver metal	BL	BL	BL	X	--
7	Black metal	BL	BL	BL	BL	--
8	Black plastic	BL	BL	BL	BL	BL
9	Yellow leather case	BL	BL	BL	BL	BL
10	Black leather case	BL	BL	BL	BL	BL
11	Red leather case	BL	BL	BL	BL	BL
12	Red plastic	BL	BL	BL	BL	BL
13	Black plastic	BL	BL	BL	BL	BL
14	Black plastic	BL	BL	BL	BL	BL
15	Silver metal	BL	BL	BL	BL	--
16	Black metal screws	BL	BL	BL	BL	--
17	Black plastic	BL	BL	BL	BL	BL
18	White plastic	BL	BL	BL	BL	BL
19	Silver metal	BL	BL	BL	X	--

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20	Blue plastic	BL	BL	BL	BL	BL
21	White plastic	BL	BL	BL	BL	BL
22	Black plastic	BL	BL	BL	BL	BL
23	Silver metal	BL	BL	BL	BL	--
24	Silver metal	BL	BL	BL	BL	--

Note:

- -- = Not Applicable.
- * = Screening by XRF and detected by chemical. The test result of chemical method please refer to next pages.
- BL = Below Limit.
- X = Inconclusive(Screening result was inconclusive, thus further confirmation test was conducted.)

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Remark

1. Result were obtained by XRF for primary screening, and further chemical testing by ICP (for Cd, Pb, Hg), UV-Vis (for Cr(VI)) and GC-MS for (PBBs, PBDEs) are recommended to be performed, if concentration exceeds the below warning value according to IEC62321-3-1:2026.

Element	Unit	Polymer	Metal	Composite Materials
Cd	mg/kg	BL≤70-3σ<X <130+3σ≤OL	BL≤70-3σ<X <130+3σ≤OL	BL≤50-3σ<X <150+3σ≤OL
Pb	mg/kg	BL≤700-3σ<X <1300+3σ≤OL	BL≤700-3σ<X <1300+3σ≤OL	BL≤500-3σ<X <1500+3σ≤OL
Hg	mg/kg	BL≤700-3σ<X <1300+3σ≤OL	BL≤700-3σ<X <1300+3σ≤OL	BL≤500-3σ<X <1500+3σ≤OL
Cr	mg/kg	BL≤700-3σ<X	BL≤700-3σ<X	BL≤500-3σ<X
Br	mg/kg	BL≤300-3σ<X	--	BL≤250-3σ<X

Note:

- BL=Below Limit
- OL=Over Limit (Screening result was over limit, thus further confirmation test was conducted.)
- X=Inconclusive(Screening result was inconclusive, thus further confirmation test was conducted.)
- mg/kg = milligram per kilogram = ppm

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

3. The maximum permissible limit is quoted form the RoHS directive 2011/65/EU:

Restricted Substances	Maximum Concentration Value (mg/kg) (by weight in homogenous materials)
Cadmium (Cd)	100
Lead (Pb)	1000

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Mercury (Hg)	1000
Hexavalent Chromium (Cr(VI))	1000
Polybrominated biphenyls (PBBs)	1000
Polybrominated diphenylethers (PBDEs)	1000

Disclaimers:

This XRF screening report is for reference purposes only. The applicant shall make it/his/her own judgment as to whether the information provided in this XRF screening report is sufficient for its/his/her purposes.

The result shown in this XRF screening report will differ based on various factors, including but not limited to, the sample size thickness, area, surface flatness, equipment parameters and matrix effect (e.g. plastic rubber, metal, glass, ceramic etc.). Further wet chemical pre-treatment with relevant chemical equipment analysis are required to obtain quantitative data.

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A.2 Wet Chemical Testing

Test Item(s)	Test Method/ Test Equipment	Unit	Limit	MDL
Cadmium(Cd)	IEC 62321-5:2013, ICP-OES	mg/kg	100	2
Lead(Pb)	IEC 62321-5:2013, ICP-OES	mg/kg	1000	2
Mercury(Hg)	IEC 62321-4:2013+AMD1:2017, ICP-OES	mg/kg	1000	2
Hexavalent Chromium(CrVI) (Metal)	IEC 62321-7-1:2015, UV-Vis	μg/cm2	0.13	0.1
Hexavalent Chromium(CrVI) (Nonmetal)	IEC 62321-7-2:2017, UV-Vis	mg/kg	1000	8
PBBs (Next form)	IEC 62321-6:2015, GC-MS	mg/kg	1000	5
PBDEs (Next form)	IEC 62321-6:2015, GC-MS	mg/kg	1000	5
Dibutyl Phthalate(DBP)	IEC 62321-8:2017, GC-MS	mg/kg	1000	30
Butyl benzyl phthalate (BBP)	IEC 62321-8:2017, GC-MS	mg/kg	1000	30
Di-(2-ethylhexyl) Phthalate(DEHP)	IEC 62321-8:2017, GC-MS	mg/kg	1000	30
Diisobutyl phthalate (DIBP)	IEC 62321-8:2017, GC-MS	mg/kg	1000	30

A.2.1. Hexavalent chromium (Cr(VI)) content

Hexavalent chromium (Cr(VI)) content (metal)

Test method: IEC 62321-7-1:2015

Item	Unit	MDL	Result		Limit
			6	19	
Hexavalent Chromium VI (Cr(VI))	ug/cm^2	0.05	N.D.	N.D.	See the remarks
Conclusion	--	--	**Pass**	**Pass**	**Pass**

Limitation Note:

a. If the concentration of hexavalent chromium is greater than 0.13 ug/cm^2 , the sample

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is considered positive for hexavalent chromium. The coating of the sample is regarded as containing CrVI.
b. If CrVI is N.D. (concentration less than 0.10 ug/cm^2), then the CrVI of the sample is negative. This coating is considered to be a non-CrVI-based coating.
c. The results between 0.10 ug/cm^2 and 0.13 ug/cm^2 are considered uncertain - inevitable coating variations may affect the measurement.For the anti-corrosion coatings on metals: Information regarding the storage conditions of the test samples and production data is inevitable. Therefore, the Cr(VI) results represent the state of the samples at the time of testing.

Note:

- N.D. = Not Detected or less than MDL
- MDL = Method Detection Limit
- mg/kg = ppm

A.2.2. PBBs & PBDEs content

Test method: IEC 62321-6:2015

Item	Unit	MDL	Result	Limit
			2	
Monobromobiphenyl (MonoBB)	mg/kg	50	N.D.	-
Dibromobiphenyl (DiBB)	mg/kg	50	N.D.	-
Tribromobiphenyl (TriBB)	mg/kg	50	N.D.	-
Tetrabromobiphenyl (TetraBB)	mg/kg	50	N.D.	-
Pentabromobiphenyl (PentaBB)	mg/kg	50	N.D.	-
Hexabromobiphenyl (HexaBB)	mg/kg	50	N.D.	-
Heptabromobiphenyl (HeptaBB)	mg/kg	50	N.D.	-
Octabromobiphenyl(OctaBB)	mg/kg	50	N.D.	-
Nonabromodiphenyl (NonaBB)	mg/kg	50	N.D.	-
Decabromodiphenyl (DecaBB)	mg/kg	50	N.D.	-
Monobromodiphenyl ether (MonoBDE)	mg/kg	50	N.D.	-
Dibromodiphenyl ether (DiBDE))	mg/kg	50	N.D.	-
Tribromodiphenyl ether (TriBDE)	mg/kg	50	N.D.	-

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Tetrabromodiphenyl ether (TetraBDE)	mg/kg	50	N.D.	-
Pentabromodiphenyl ethe (PentaBDE)	mg/kg	50	N.D.	-
Hexabromodiphenyl ether (HexaBDE)	mg/kg	50	N.D.	-
Heptabromodiphenyl ether (HeptaBDE)	mg/kg	50	N.D.	-
Octabromodiphenyl ether (OctaBDE)	mg/kg	50	N.D.	-
Nonabromodiphenyl ether (NonaBDE)	mg/kg	50	N.D.	-
Decabromodiphenyl ether (DecaBDE)	mg/kg	50	N.D.	-
Sum of MonoBB, DiBB, TriBB, TetraBB, PentaBB, HexaBB, HeptaBB, OctaBB, NonaBB, DecaBB	mg/kg	-	N.D.	1000
Sum of MonoBDE, DiBDE, TriBDE,TetraBDE, PentaBDE, HexaBDE, HeptaBDE, OctaBDE, NonaBDE, DecaBDE	mg/kg	-	N.D.	1000
Conclusion	/	/	**Pass**	/

Note:

- N.D. = Not Detected or less than MDL
- MDL = Method Detection Limit
- mg/kg = ppm
- "+" = Composite testing

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A.3. Phthalates (DBP, BBP, DEHP, DIBP) content

Test method: IEC 62321-8:2017

Item	Unit	MDL	Result			Limit
			2+3+5	4+8+12	9+10+11	
Dibuyl Phthalate(DBP)	mg/kg	50	N.D.	N.D.	N.D.	1000
Benzylbutyl Phthalate(BBP)	mg/kg	50	N.D.	N.D.	N.D.	1000
Bis(2-ethylhexyl) Phthalate(DEHP)	mg/kg	50	N.D.	N.D.	N.D.	1000
Diispbutyl phthalate(DIBP)	mg/kg	50	N.D.	N.D.	N.D.	1000
Conclusion	/	/	**Pass**	**Pass**	**Pass**	/

Item	Unit	MDL	Result			Limit
			13+14+27	20+21	22	
Dibuyl Phthalate(DBP)	mg/kg	50	N.D.	N.D.	N.D.	1000
Benzylbutyl Phthalate(BBP)	mg/kg	50	N.D.	N.D.	N.D.	1000
Bis(2-ethylhexyl) Phthalate(DEHP)	mg/kg	50	N.D.	N.D.	N.D.	1000
Diispbutyl phthalate(DIBP)	mg/kg	50	N.D.	N.D.	N.D.	1000
Conclusion	/	/	**Pass**	**Pass**	**Pass**	/

Remark:

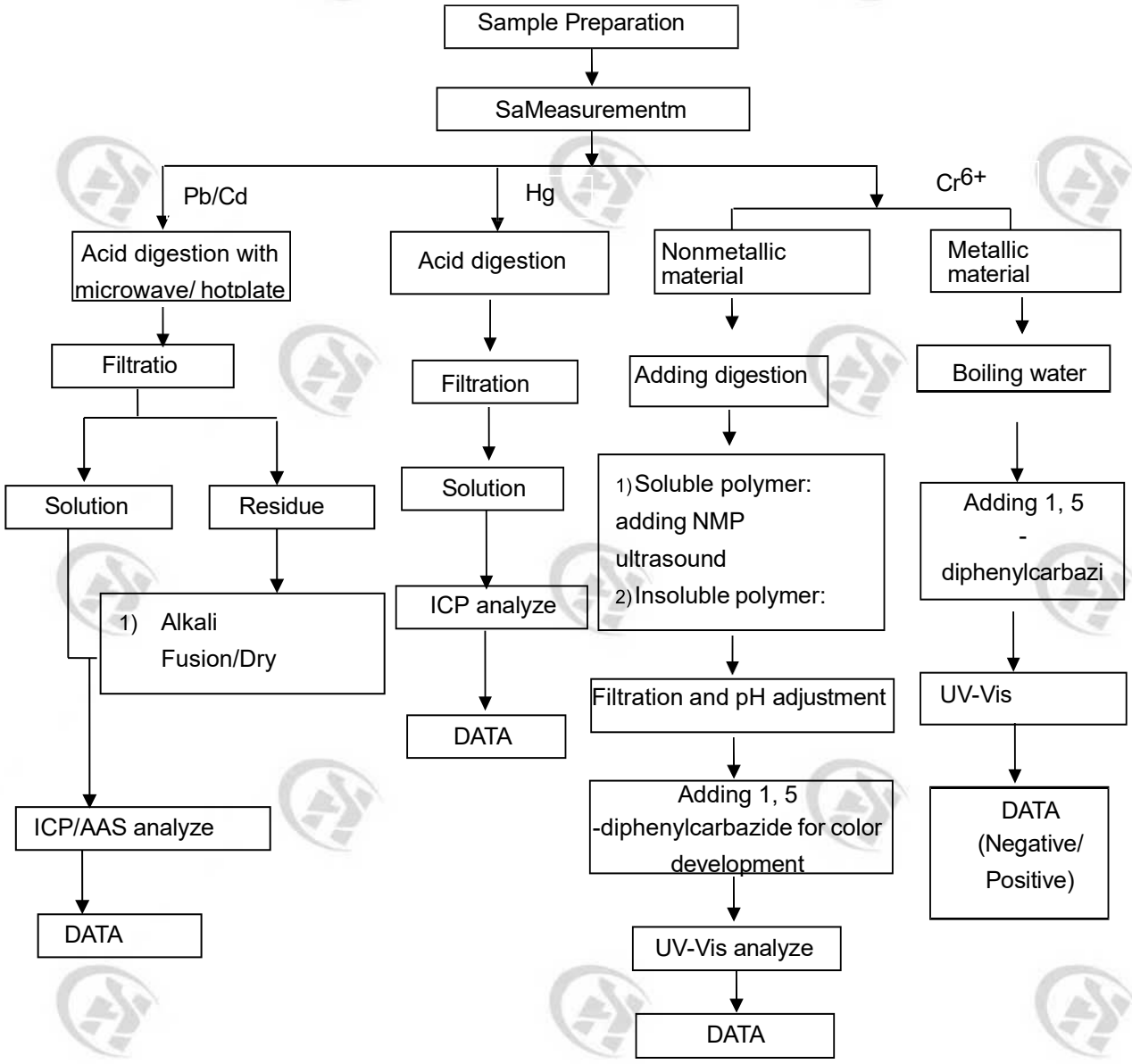
- mg/kg = ppm
- N.D. = Not detected
- MDL= Method detected limited
- “+” = Composite testing
- Tested part(s) was/were specified by client
- Flow chart appendix is included
- Photo appendix is included

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Testing Flow Chart

Appendix

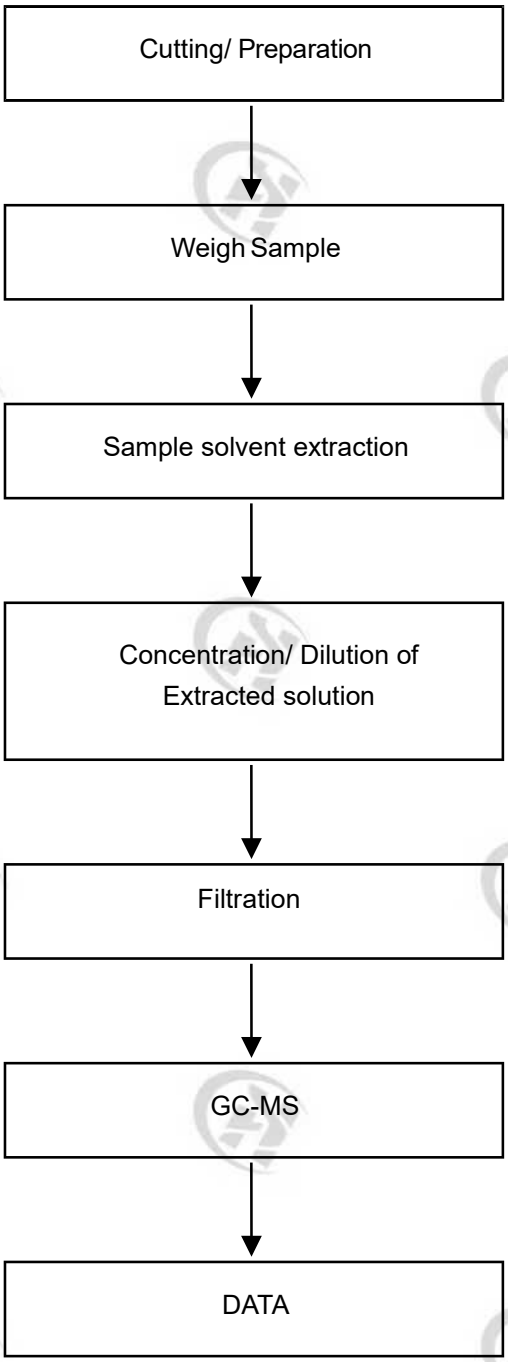
Pb/Cd/Hg/Cr6



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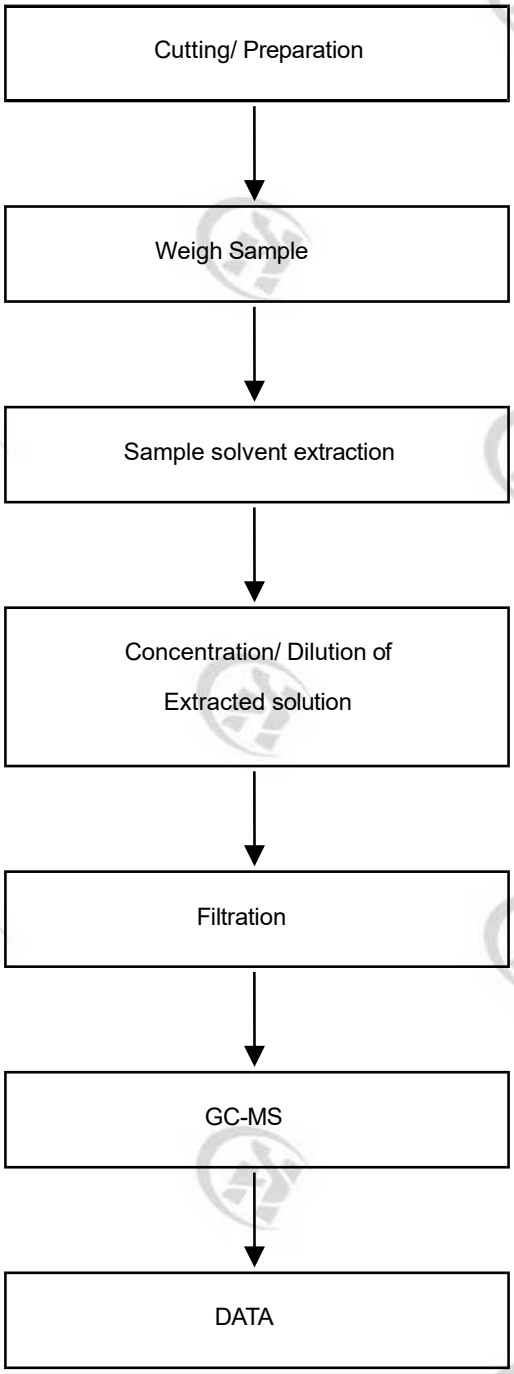
Appendix

PBBs/PBDEs Testing Flow Chart



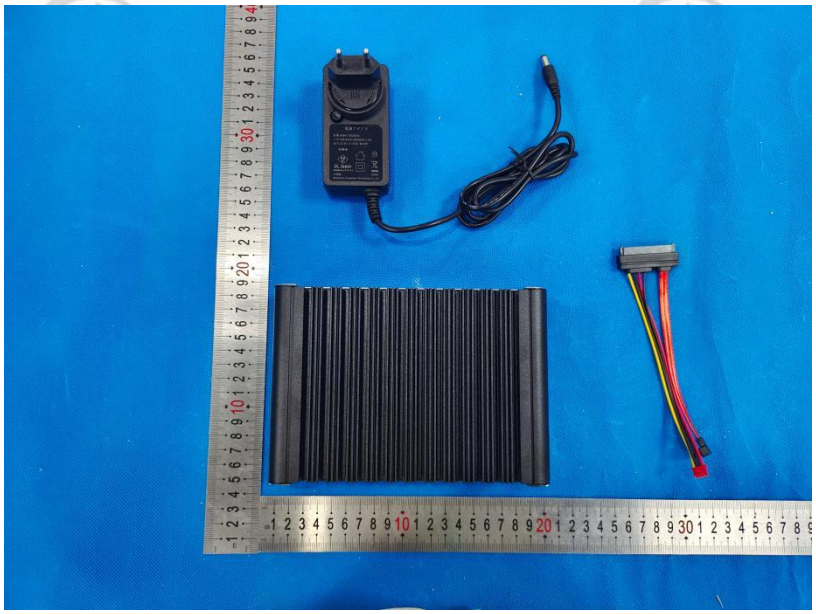
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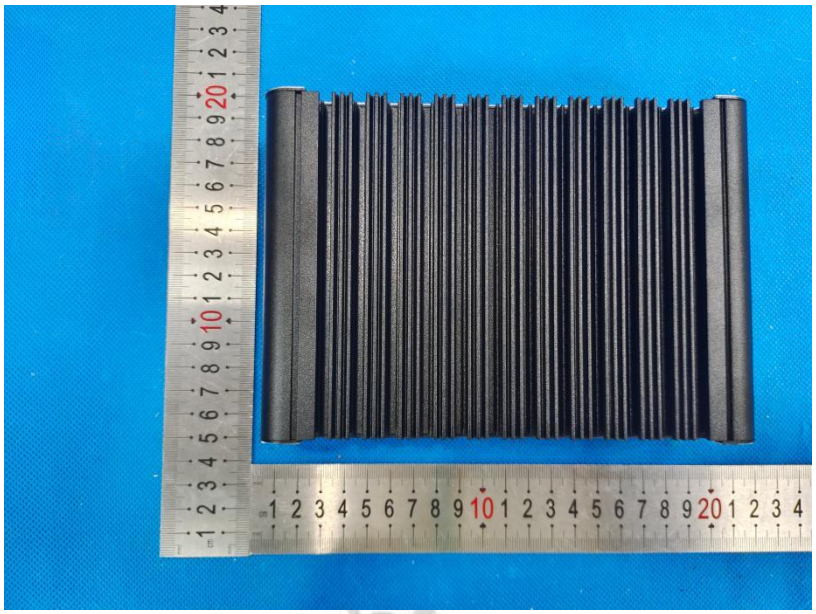
Phthalates Testing Flow Chart



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The photo of the sample:



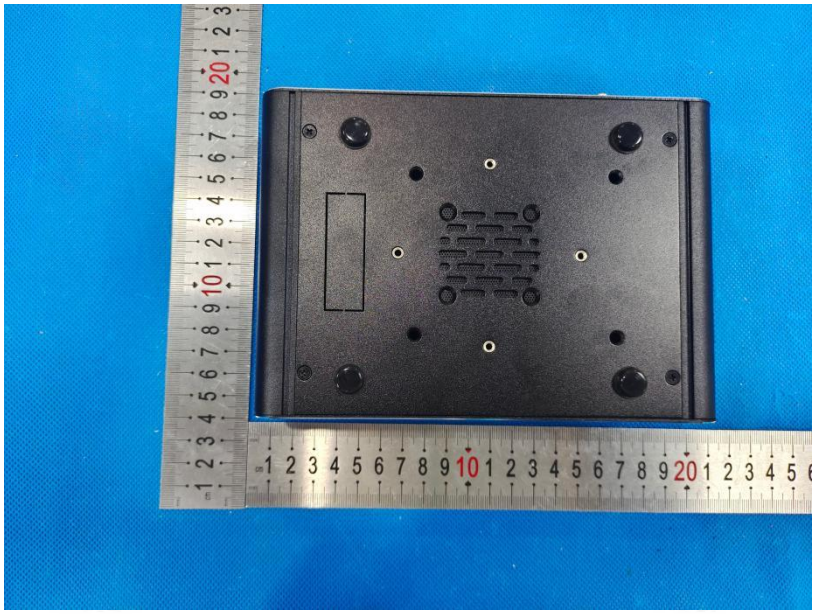


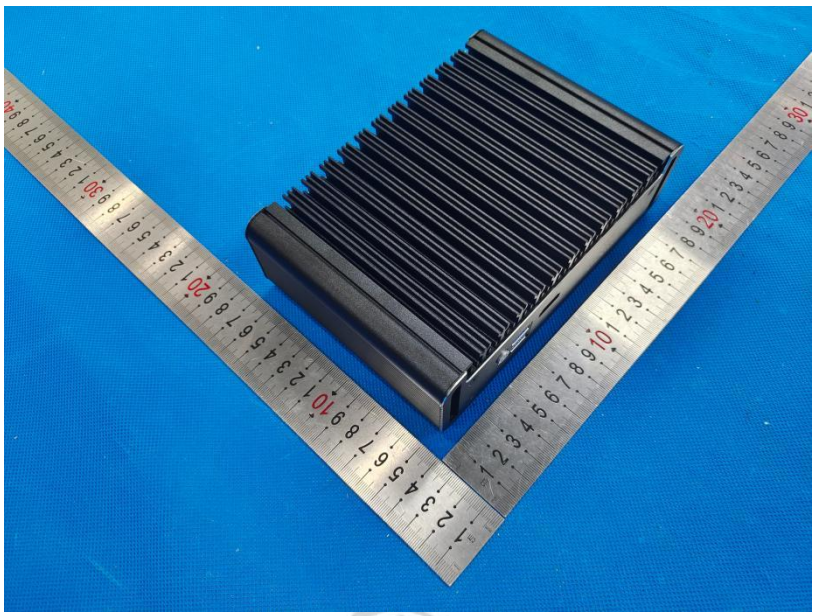
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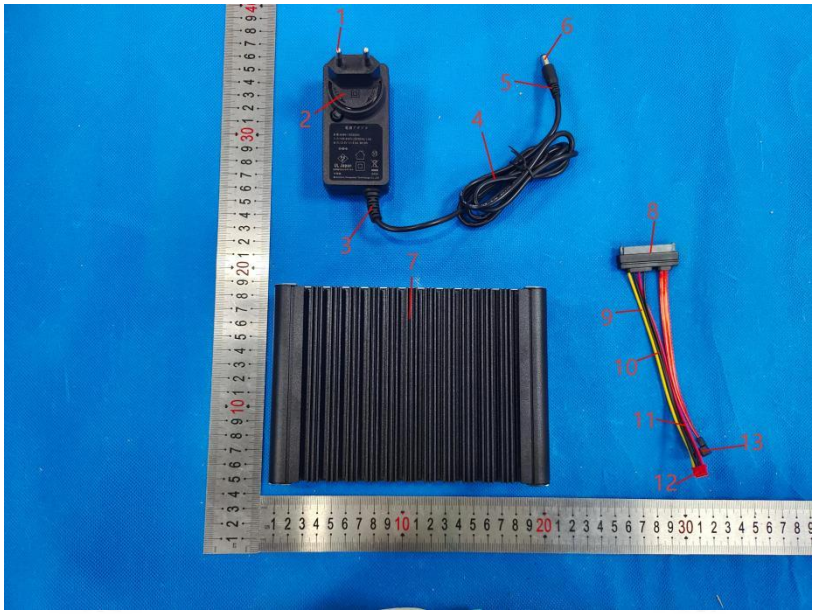


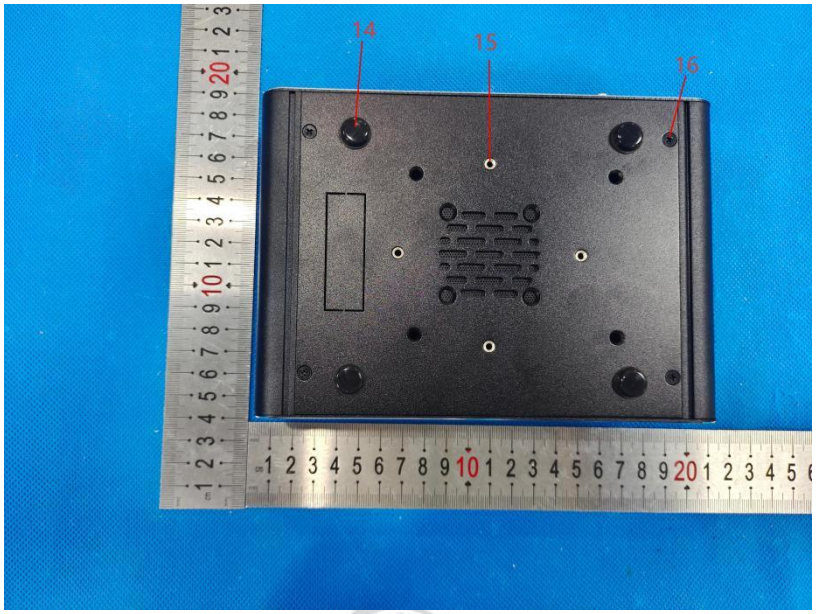
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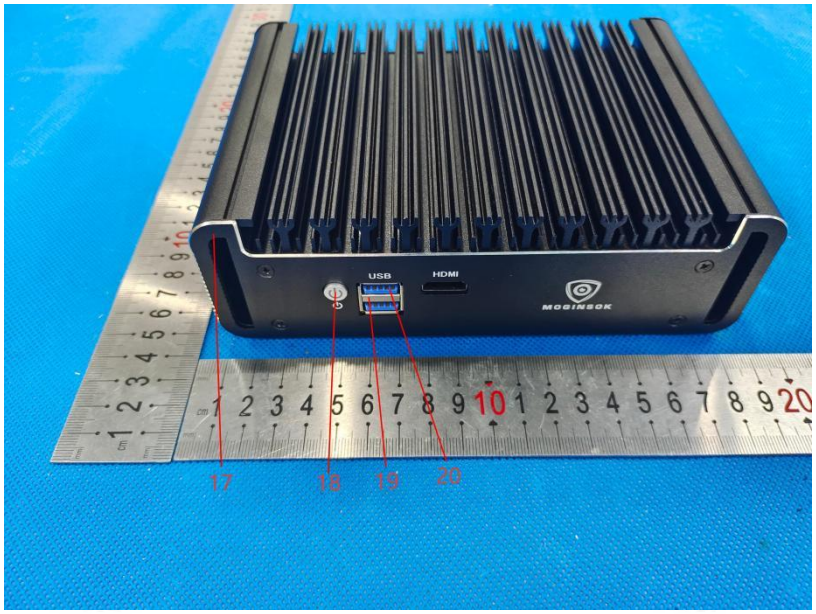
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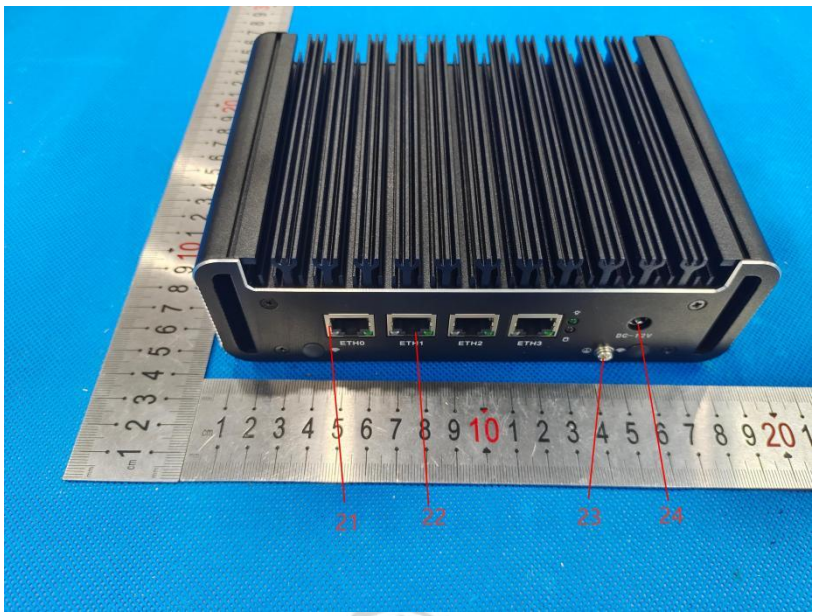
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HYC authenticate the photo on original report only

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2. The copy of the test report is invalid if the "Special Seal for Inspection and Testing" or "Special Seal for testing" or the official seal of the testing unit is not re-stamped.
3. After the test report is altered, the test report is invalid.
4. If there is any objection to the test report, please submit written comments to the laboratory within 15 days f1rom the date of receipt of the report.
5. This test is only responsible for samples provided by customers.
6. This report shall not be reproduced in whole or in part without the written authorization of the Company.
7. The laboratory is not responsible for sampling, all samples are provided by customers.
8. The test results in this test report are only related to the samples provided by the customer.

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