

ROHS TEST REPORT

Applicant: Zhangzhou Irep Software Technology Co., Ltd.

Address: No. 704, Yipin 1 Building, Hancheng 1 Building, south of the middle section of

University West Road and west of Planning Boxue Road, Xiancheng District,

Zhangzhou City, Fujian Province

Manufacturer: Zhangzhou Irep Software Technology Co., Ltd.

Address: No. 704, Yipin 1 Building, Hancheng 1 Building, south of the middle section of

University West Road and west of Planning Boxue Road, Xiancheng District,

OCT TECHNOLOGY TESTING CO., LTD.

Zhangzhou City, Fujian Province

Product: Intelligent monitoring management unit

Model: IMMU

Test standard: IEC 62321:2013

Conclusion: The product tested conforms to the standards listed above.

Test date: 2019,9.1-9.4

Issue date: 2019.9.4

Reviewed by:

Approved by:

Prepared by:





Notice

- 1. This test report shall be invalidation without the cachet of the testing laboratory.
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- 6. The test results presented in this report relate only to the object tested.



Test Method: With reference to IEC 62321:2008, IEC 62321:2013

- (1) Determination of Cadmium by ICP-OES.
- (2) Determination of Lead by ICP-OES.
- (3) Determination of Mercury by ICP-OES.
- (4) Determination of Hexavalent Chromium by Colorimetric Method using UV-Vis.
- (5) Determination of PBBs / PBDEs content by GC-MS.
- (6) Determination of HBCDD by GC-MS.
- (7) Determination of phthalates by GC-MS.

Test Result(s):

			Result
Test item	Unit	Limit	DESICCANT
Cadmium (Cd).	mg/kg	100	N.D.
Lead (Pb).	mg/kg	1000	0.630
Mercury (Hg).	mg/kg	1000	3.510
Hexavalent Chromium (Cr VI).	mg/kg	1000	N.D.
Polybrominated Biphenyls (PBBs)	mg/kg	1000	N.D.
Monobromobiphenyl	mg/kg	/	N.D.
Dibromobiphenyl	mg/kg	/	N.D.
Tribromobiphenyl	mg/kg	/	N.D.
Tetrabromobiphenyl	mg/kg	/	N.D.
Pentabromobiphenyl	mg/kg	/	N.D.
Hexabromobiphenyl	mg/kg	/	N.D.
Heptabromobiphenyl	mg/kg	/	N.D.
Octabromobiphenyl	mg/kg	/	N.D.
Nonabromobiphenyl	mg/kg	/	N.D.
Decabromobiphenyl	mg/kg	/	N.D.
Polybrominated Diphenyl Ethers (PBDEs)	mg/kg	1000	N.D.
Monobromodiphenyl Ether	mg/kg	/	N.D.
Dibromodiphenyl Ether	mg/kg	/	N.D.
Tribromodiphenyl Ether	mg/kg	/	N.D.
Tetrabromodiphenyl Ether	mg/kg	/	N.D.
Pentabromodiphenyl Ether	mg/kg	/	N.D.
Hexabromodiphenyl Ether	mg/kg	/	N.D.

Oct Technology Testing Co., Ltd.

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Heptabromodiphenyl Ether	mg/kg	/	N.D.
Octabromodiphenyl Ether	mg/kg	/	N.D.
Nonabromodiphenyl Ether	mg/kg	/	N.D.
Decabromodiphenyl Ether	mg/kg	/	N.D.
Hexabromocyclododecane (HBCDD)	mg/kg	1000	N.D.
Dibutyl Phthalate (DBP)	%(w/w)	1000	N.D.
Benzylbutyl Phthalate (BBP)	%(w/w)	1000	N.D.
Bis-(2-ethylhexyl) Phthalate (DEHP)	%(w/w)	1000	N.D.

Note:

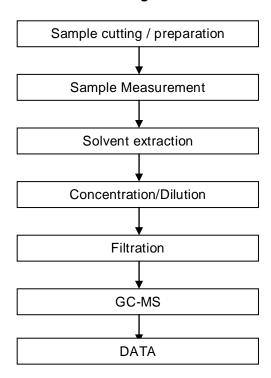
- (1) 1 mg/kg = 1 ppm = 0.0001%.
- (2) N.D. = Not Detected (< MDL).
- (3) N.A. = Not Applicable
- (4) Hexabromocyclododecane (HBCDD) is considered as a priority for risk evaluation and substance restriction.
- (5) Bis (2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP) and Dibutyl phthalate (DBP) are considered as a priority for risk evaluation and substance restriction.



RoHS Testing Flow Chart Sample Preparation Sample Measurement Cr⁶⁺ PBBs/PBDEs Pb/Cd/Hg Acid digestion with Sample solvent microwave/ hotplate extraction Metallic Nonmetallic material material Concentration/ Filtration Dilution of Positive Adding extraction Spot test digestion solution reagent Solution Residue Negative Boiling water Filtration Heating to extraction 1) Alkali Fusion / 90~95°C for Dry Ashing extraction 2) Acid to dissolve GC-MS Adding 1.5-Diphenylcarba Filtration and zide for color ICP-OES/AAS DATA pH adjustment development DATA Adding 1.5-A red color Diphenylcarbaz indicates the ide for color presence of development Cr6+. If necessary, confirm with UV-Vis. **UV-Vis** DATA DATA



Phthalates Testing Flow Chart





HBCDD Testing Flow Chart

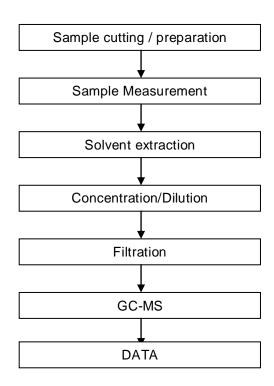




Photo of the sample





*** End of report ***