



TEST REPORT

Report No.: SHE24010073-02E

Date: 2024-03-05

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Applicant : Inspirit Control System (Shanghai) Co., Ltd

Address : Workshop 2, Building 1, No. 388 Majiazhai Road, Nanqiao Town, Fengxian District, Shanghai

Sample Information

Sample Name : HT6 REMOTE I/O MODULE

Sample Type/Specification : HT6

Sample Qty. : 1

Sample acquisition method : Sent by client

Sample description : Solid

Manufacturer : Inspirit Control System (Shanghai) Co., Ltd

Address : Workshop 2, Building 1, No. 388 Majiazhai Road, Nanqiao Town, Fengxian District,

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Sample No. : E24010073-02

Date of Sample Received : 2024-02-27

Sample Test Period : 2024-02-27~2024-03-04

Test content:

Test Address : 155 Pingbei Rd, Minhang District, Shanghai

Test Items : Please refer to next page(s).

Test Methods : Please refer to next page(s).

The results of Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls(PBBs), Polybrominated diphenyl ethers(PBDEs) and Phthalates such as Di-(2-ethylhexyl)Phthalate (DEHP), Benzylbutyl Phthalate (BBP), Dibutyl Phthalate (DBP), and Diisobutyl phthalate(DIBP) comply with the limits as set by RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU.

Prepared by:

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(Authorized signatory: Rachel Wang)



ICAS TESTING TECHNOLOGY SERVICE
(SHANGHAI) Co., LTD



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Test Results:

Test partment: grey plastic shell

| Test Items | Methods | Unit | Detection limit (s) | Results | Limit | Conclusion |
|-------------------------------------|----------------------------------|-------|---------------------|---------|-------|------------|
| Pb | IEC 62321-5:2013 | mg/kg | 10 | N.D. | ≤1000 | pass |
| Cd | | mg/kg | 2 | N.D. | ≤100 | pass |
| Hg | IEC 62321-4:2013+AMD1:2017 | mg/kg | 10 | N.D. | ≤1000 | pass |
| Cr (VI) | IEC 62321-7-2:2017 | mg/kg | 20 | N.D. | ≤1000 | pass |
| Monobromobiphenyl (MonoBB) | IEC 62321-6:2015 | mg/kg | 5 | N.D. | --- | pass |
| Dibromobiphenyl (DiBB) | | | 5 | N.D. | --- | pass |
| Tribromobiphenyl (TriBB) | | | 5 | N.D. | --- | pass |
| Tetrabromobiphenyl (TetraBB) | | | 5 | N.D. | --- | pass |
| Pentabromobiphenyl (PentaBB) | | | 5 | N.D. | --- | pass |
| Hexabromobiphenyl (HexaBB) | | | 5 | N.D. | --- | pass |
| Heptabromobiphenyl (HeptaBB) | | | 5 | N.D. | --- | pass |
| Octabromobiphenyl (OctaBB) | | | 5 | N.D. | --- | pass |
| Nonabromobiphenyl (NonaBB) | | | 5 | N.D. | --- | pass |
| Decabromobiphenyl (DecaBB) | | | 5 | N.D. | --- | pass |
| Total PBBs sum of above | | | --- | N.D. | ≤1000 | pass |
| Monobromodiphenyl ether (MonoBDE) | | | 5 | N.D. | --- | pass |
| Dibromodiphenyl ether (DiBDE) | | | 5 | N.D. | --- | pass |
| Tribromodiphenyl ether (TriBDE) | | | 5 | N.D. | --- | pass |
| Tetrabromodiphenyl ether (TetraBDE) | | | 5 | N.D. | --- | pass |
| Pentabromodiphenyl ether (PentaBDE) | | | 5 | N.D. | --- | pass |
| Hexabromodiphenyl ether (HexaBDE) | | | 5 | N.D. | --- | pass |
| Heptabromodiphenyl ether (HeptaBDE) | | | 5 | N.D. | --- | pass |
| Octabromodiphenyl ether (OctaBDE) | | | 5 | N.D. | --- | pass |
| Nonabromodiphenyl ether (NonaBDE) | | | 5 | N.D. | --- | pass |
| Decabromodiphenyl ether (DecaBDE) | | | 5 | N.D. | --- | pass |
| Total PBDEs sum of above | | | --- | N.D. | ≤1000 | pass |
| Dibutyl Phthalate (DBP) | IEC 62321-8:2017 GC-MS method | mg/kg | 50 | N.D. | ≤1000 | pass |
| Benzylbutyl Phthalate (BBP) | | mg/kg | 50 | N.D. | ≤1000 | pass |
| Di-(2-ethylhexyl)Phthalate (DEHP) | | mg/kg | 50 | N.D. | ≤1000 | pass |
| Diisobutyl phthalate(DIBP) | | mg/kg | 50 | N.D. | ≤1000 | pass |

Note: N.D.=Not detected (<Detection limit(s))



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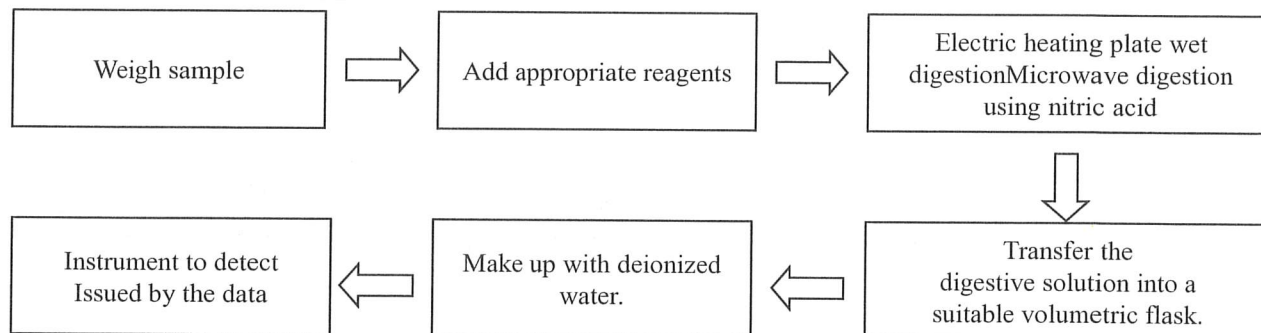
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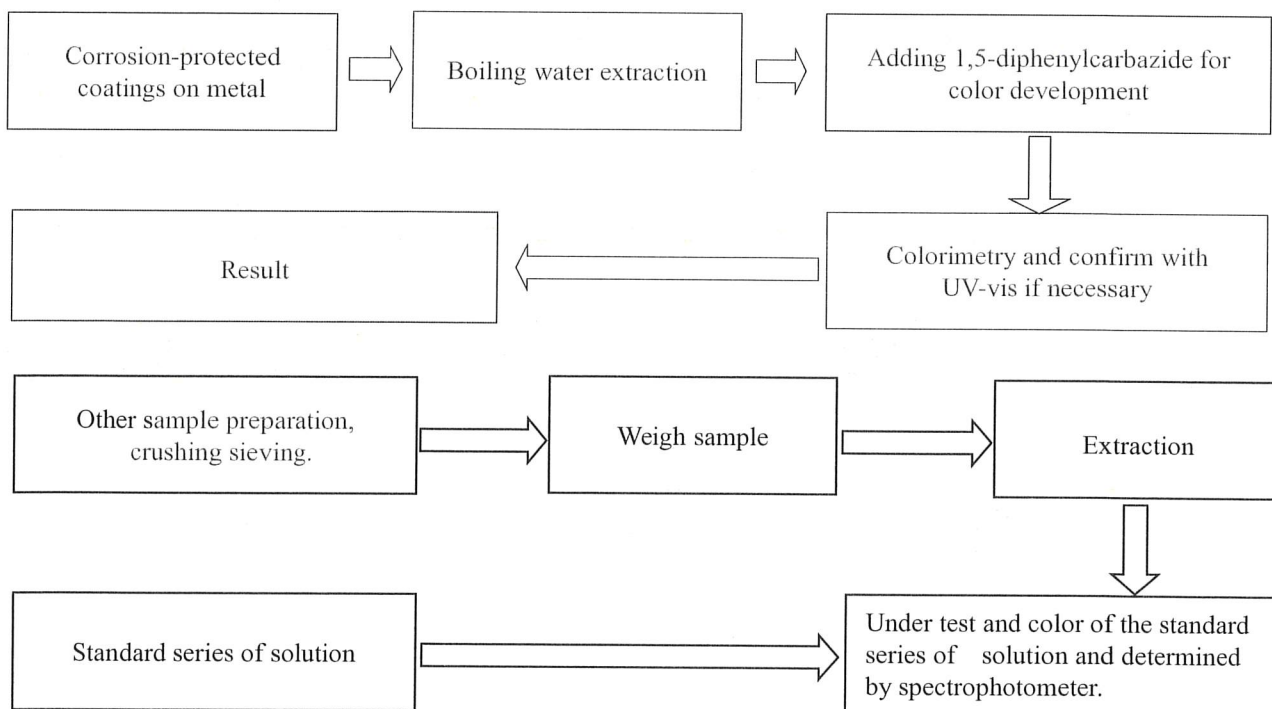
CHEMICAL FLOW CHART

1. Test for Pb, Hg, Cd Content



| | |
|------------------|---|
| Sample Material: | Digestion Acid: |
| Glass | HNO ₃ /HF |
| Plastic、Rubber | H ₂ SO ₄ , H ₂ O ₂ , HNO ₃ , HCl |
| Metal | HNO ₃ , HCl, Aqua regia |
| Others | Any acid to total digestion. |

2. Test for Chromium (VI) Content





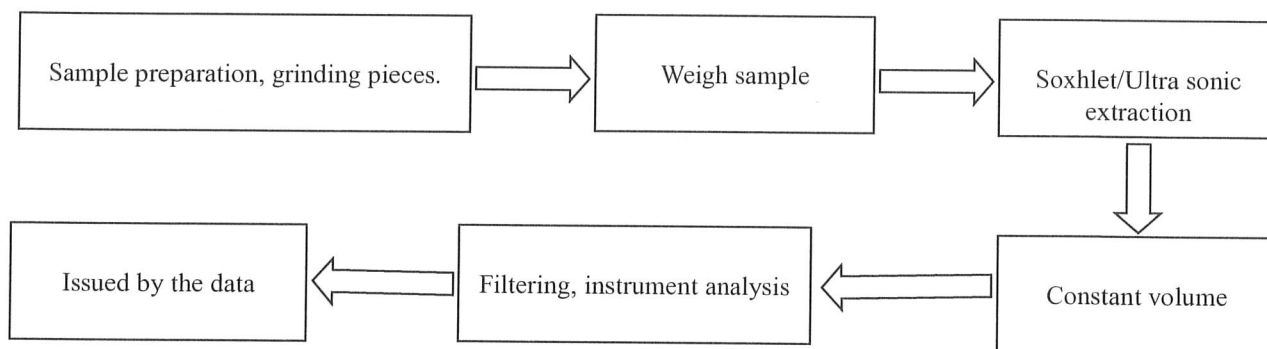
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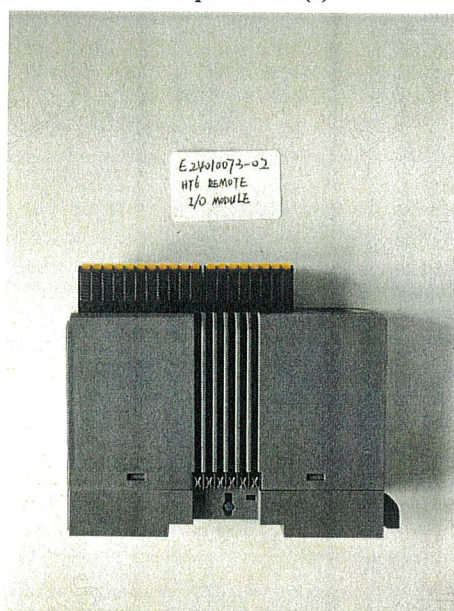
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3. Test for PBBs、PBDEs、Phthalates Content



Sample Photo(s)



This photo is limited to ICAS used this report

End of the report

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