# Test Report

**Report No.** RHS01F000653002R1 

**Applicant** XIAMEN KST MAGNET CO.,LTD.
**Address** 4F,NO.292-294 MIDDLE HONGLIAN ROAD,XIAMEN 361008,CHINA

**The following sample(s) and sample information was/were submitted and identified by/on the behalf of the client**

| | |
|---|---|
| Sample Name | NdFeB Magnet |
| Color | Silvery |
| Manufacturer | Xiamen KST Magnet Co., Ltd. |
| Sample Received Date | May. 9, 2013 |
| Testing Period | May. 9, 2013 to May. 13, 2013 |

**Test Requested** As specified by client, to test Lead(Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium(Cr(VI)), Polybrominated Biphenyls(PBBs), Polybrominated Diphenyl Ethers(PBDEs) in the submitted sample(s).

**Test Method**

| Test Item(s) | Test Method | Measured Equipment(s) |
|---|---|---|
| Lead(Pb) | IEC 62321:2008 Ed.1 Sec.10 | ICP-OES |
| Cadmium(Cd) | IEC 62321:2008 Ed.1 Sec.10 | ICP-OES |
| Mercury(Hg) | IEC 62321:2008 Ed.1 Sec.7 | ICP-OES |
| Hexavalent Chromium(Cr(VI)) | IEC 62321:2008 Ed.1 Annex B | UV-Vis |
| Polybrominated Biphenyls(PBBs) | IEC 62321:2008 Ed.1 Annex A | GC-MS |
| Polybrominated Diphenyl Ethers(PBDEs) | IEC 62321:2008 Ed.1 Annex A | GC-MS |

**Test Result(s)** Please refer to the following page(s).

Tested by Rick Lin Reviewed by Vargas He

Approved by Danny Liu Date May. 14, 2013

Technical Manager

No. 1012282100

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**Test Result(s)**

| Tested Item(s) | Result | MDL |
|---|---|---|
| Lead(Pb) | N.D. | 2 mg/kg |
| Cadmium (Cd) | N.D. | 2 mg/kg |
| Mercury(Hg) | N.D. | 2 mg/kg |
| Hexavalent Chromium(Cr(VI)) | Negative | / |

| Tested Item(s) | Result | MDL |
|---|---|---|
| **Polybrominated Biphenyls(PBBs)** | | |
| Monobromobiphenyl | N.D. | 5 mg/kg |
| Dibromobiphenyl | N.D. | 5 mg/kg |
| Tribromobiphenyl | N.D. | 5 mg/kg |
| Tetrabromobiphenyl | N.D. | 5 mg/kg |
| Pentabromobiphenyl | N.D. | 5 mg/kg |
| Hexabromobiphenyl | N.D. | 5 mg/kg |
| Heptabromobiphenyl | N.D. | 5 mg/kg |
| Octabromobiphenyl | N.D. | 5 mg/kg |
| Nonabromobiphenyl | N.D. | 5 mg/kg |
| Decabromobiphenyl | N.D. | 5 mg/kg |

| Tested Item(s) | Result | MDL |
|---|---|---|
| **Polybrominated Diphenyl Ethers(PBDEs)** | | |
| Monobromodiphenyl ether | N.D. | 5 mg/kg |
| Dibromodiphenyl ether | N.D. | 5 mg/kg |
| Tribromodiphenyl ether | N.D. | 5 mg/kg |
| Tetrabromodiphenyl ether | N.D. | 5 mg/kg |
| Pentabromodiphenyl ether | N.D. | 5 mg/kg |
| Hexabromodiphenyl ether | N.D. | 5 mg/kg |
| Heptabromodiphenyl ether | N.D. | 5 mg/kg |
| Octabromodiphenyl ether | N.D. | 5 mg/kg |
| Nonabromodiphenyl ether | N.D. | 5 mg/kg |
| Decabromodiphenyl ether | N.D. | 5 mg/kg |

**Tested Sample/Part Description** Magnet with silvery plating

**Note:** **The sample(s) had been dissolved totally tested for Lead, Cadmium, Mercury.**
-MDL = Method Detection Limit
-N.D. = Not Detected (<MDL )
-mg/kg = ppm = parts per million
-Negative = Absence of Cr(VI) , the detected Cr(VI) concentration in the boiling water extraction solution is less than 0.02 mg/kg with 50cm2 sample surface area used.

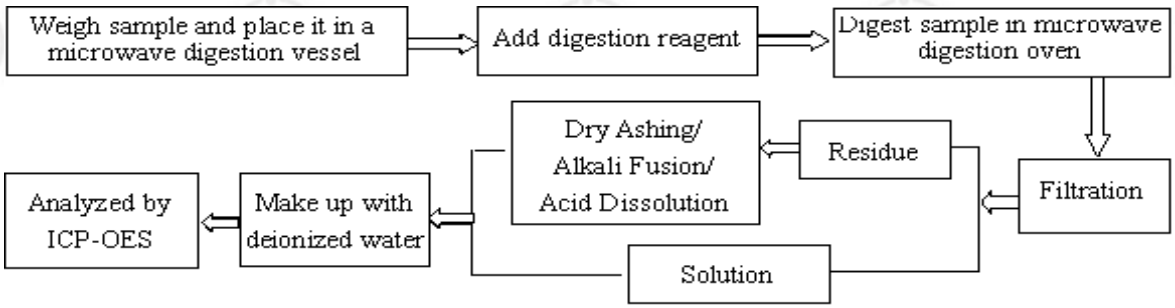
**Remark:** **This report replaces the report of RHS01F000653002, Report RHS01F000653002 is now terminated. The end sign of report number R1 represents the revised version.**

# Test Report

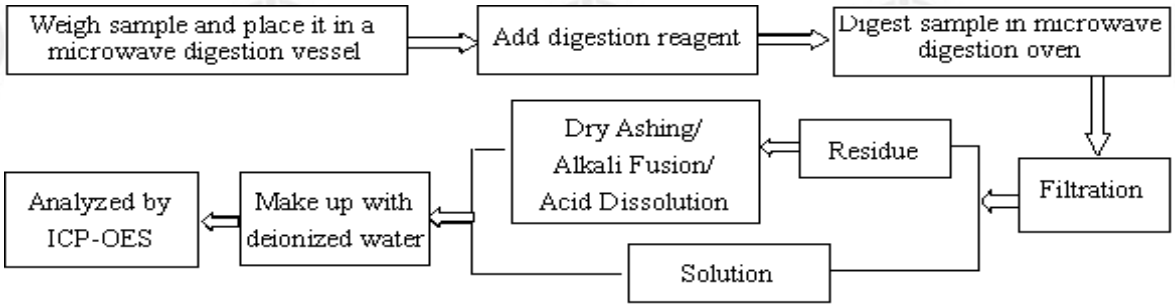


**Test Process**

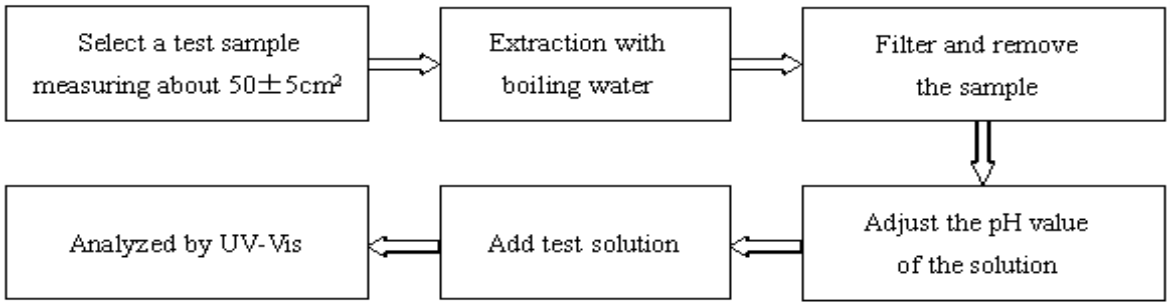
**1. Lead(Pb), Cadmium(Cd)**



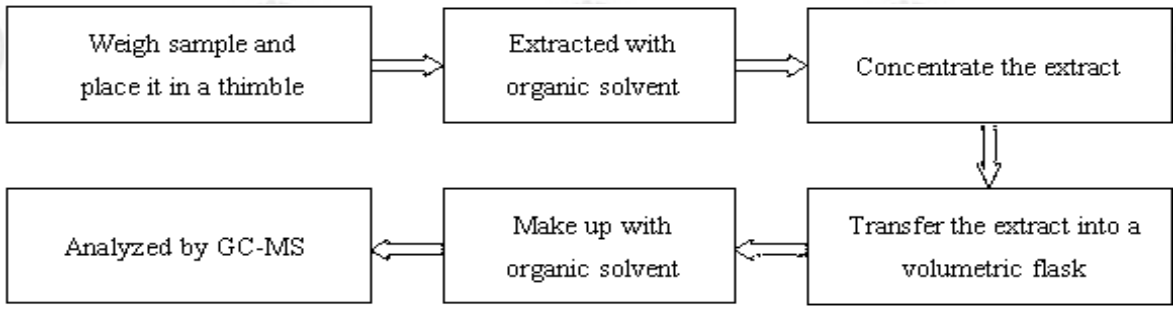

**2. Mercury(Hg)**




**3. Hexavalent Chromium(Cr(VI))**




**4. Polybrominated Biphenyls(PBBs), Polybrominated Diphenyl Ethers(PBDEs)**



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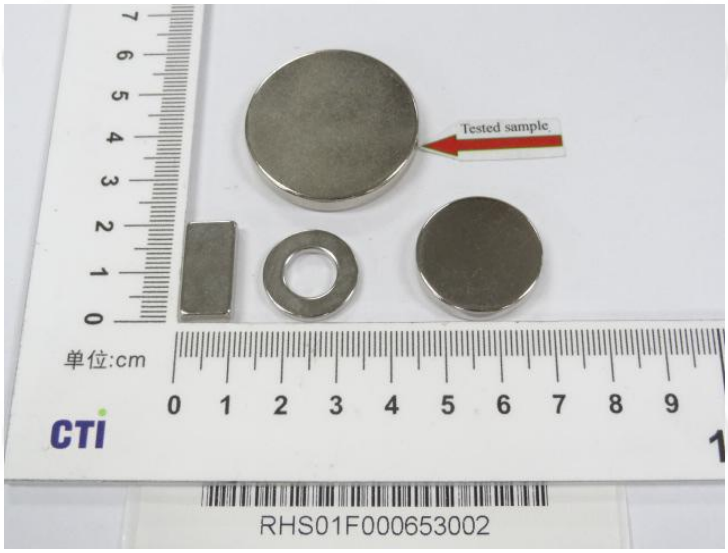
## Photo(s) of the sample(s)




*** End of report ***

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