



Test Report

No.: ETR24301906

Date: 18-Mar-2024

Page: 1 of 9

MAGNESENSOR TECHNOLOGY LTD.
72, COUNTY ROAD, BEDFORD, NH03110 U.S.A.

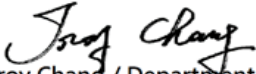
The following sample(s) was/were submitted and identified by the applicant as:

Sample Submitted By : MAGNESENSOR TECHNOLOGY LTD.
Sample Name : HALL SENSOR
Style/Item No. : VK

=====
Sample Receiving Date : 11-Mar-2024
Testing Period : 11-Mar-2024 to 18-Mar-2024

Test Requested : Testing item(s) is/are specified by client. Please refer to result table for testing item(s).

Test Results : Please refer to following pages.


Troy Chang / Department Manager
Signed for and on behalf of
SGS TAIWAN LTD.
Chemical Laboratory - Taipei



PIN CODE: D3E4E5A4

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Test Part Description

No.1 : MIXED ALL PARTS

Test Result(s)

| Test Item(s) | Method | Unit | MDL | Result |
|----------------------------|-------------------------------------------------------------------------------------|-------|------|--------|
| | | | | No.1 |
| Cadmium (Cd) | With reference to IEC 62321-5: 2013, analysis was performed by ICP-OES. | mg/kg | 2 | n.d. |
| Lead (Pb) | With reference to IEC 62321-5: 2013, analysis was performed by ICP-OES. | mg/kg | 2 | 11.4 |
| Mercury (Hg) | With reference to IEC 62321-4: 2013+ AMD1: 2017, analysis was performed by ICP-OES. | mg/kg | 2 | n.d. |
| Hexavalent Chromium Cr(VI) | With reference to IEC 62321-7-2: 2017, analysis was performed by UV-VIS. | mg/kg | 8 | n.d. |
| Monobromobiphenyl | With reference to IEC 62321-6: 2015, analysis was performed by GC/MS. | mg/kg | 5 | n.d. |
| Dibromobiphenyl | | mg/kg | 5 | n.d. |
| Tribromobiphenyl | | mg/kg | 5 | n.d. |
| Tetrabromobiphenyl | | mg/kg | 5 | n.d. |
| Pentabromobiphenyl | | mg/kg | 5 | n.d. |
| Hexabromobiphenyl | | mg/kg | 5 | n.d. |
| Heptabromobiphenyl | | mg/kg | 5 | n.d. |
| Octabromobiphenyl | | mg/kg | 5 | n.d. |
| Nonabromobiphenyl | | mg/kg | 5 | n.d. |
| Decabromobiphenyl | | mg/kg | 5 | n.d. |
| Sum of PBBs | | mg/kg | - | n.d. |
| Monobromodiphenyl ether | | mg/kg | 5 | n.d. |
| Dibromodiphenyl ether | | mg/kg | 5 | n.d. |
| Tribromodiphenyl ether | | mg/kg | 5 | n.d. |
| Tetrabromodiphenyl ether | | mg/kg | 5 | n.d. |
| Pentabromodiphenyl ether | | mg/kg | 5 | n.d. |
| Hexabromodiphenyl ether | | mg/kg | 5 | n.d. |
| Heptabromodiphenyl ether | | mg/kg | 5 | n.d. |
| Octabromodiphenyl ether | | mg/kg | 5 | n.d. |
| Nonabromodiphenyl ether | | mg/kg | 5 | n.d. |
| Decabromodiphenyl ether | mg/kg | 5 | n.d. | |
| Sum of PBDEs | mg/kg | - | n.d. | |

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| Test Item(s) | Method | Unit | MDL | Result |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|-------|-----|--------|
| | | | | No.1 |
| Butyl benzyl phthalate (BBP) | With reference to IEC 62321-8: 2017, analysis was performed by GC/MS. | mg/kg | 50 | n.d. |
| Dibutyl phthalate (DBP) | | mg/kg | 50 | n.d. |
| Di-(2-ethylhexyl) phthalate (DEHP) | | mg/kg | 50 | n.d. |
| Diisobutyl phthalate (DIBP) | | mg/kg | 50 | n.d. |
| Diisodecyl phthalate (DIDP) (CAS No.: 26761-40-0, 68515-49-1) | | mg/kg | 50 | n.d. |
| Diisononyl phthalate (DINP) (CAS No.: 28553-12-0, 68515-48-0) | | mg/kg | 50 | n.d. |
| Di-n-octyl phthalate (DNOP) (CAS No.: 117-84-0) | | mg/kg | 50 | n.d. |
| Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified (α - HBCDD, β - HBCDD, γ - HBCDD) (CAS No.: 25637-99-4, 3194-55-6 (134237-51-7, 134237-50-6, 134237-52-8)) | With reference to IEC 62321-9: 2021, analysis was performed by GC/MS. | mg/kg | 20 | n.d. |
| Fluorine (F) (CAS No.: 14762-94-8) | With reference to BS EN 14582: 2016, analysis was performed by IC. | mg/kg | 50 | n.d. |
| Chlorine (Cl) (CAS No.: 22537-15-1) | | mg/kg | 50 | n.d. |
| Bromine (Br) (CAS No.: 10097-32-2) | | mg/kg | 50 | n.d. |
| Iodine (I) (CAS No.: 14362-44-8) | | mg/kg | 50 | n.d. |

Note :

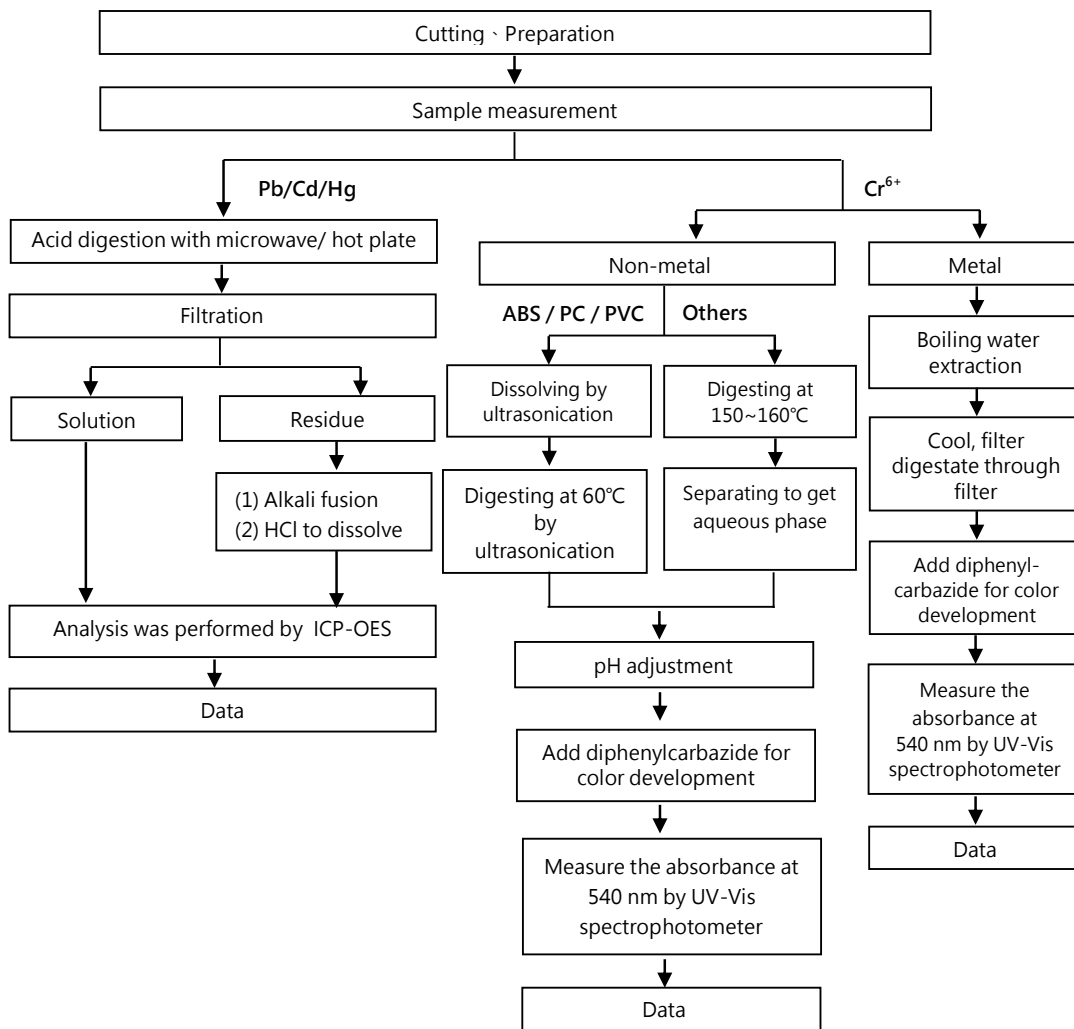
1. mg/kg = ppm ; 0.1wt% = 0.1% = 1000ppm
2. MDL = Method Detection Limit
3. n.d. = Not Detected (Less than MDL)
4. "-" = Not Regulated
5. The sample(s) was/were analyzed on behalf of the applicant as mixing sample in one testing. The above result(s) was/were only given as the informality value.

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Analytical flow chart of heavy metal

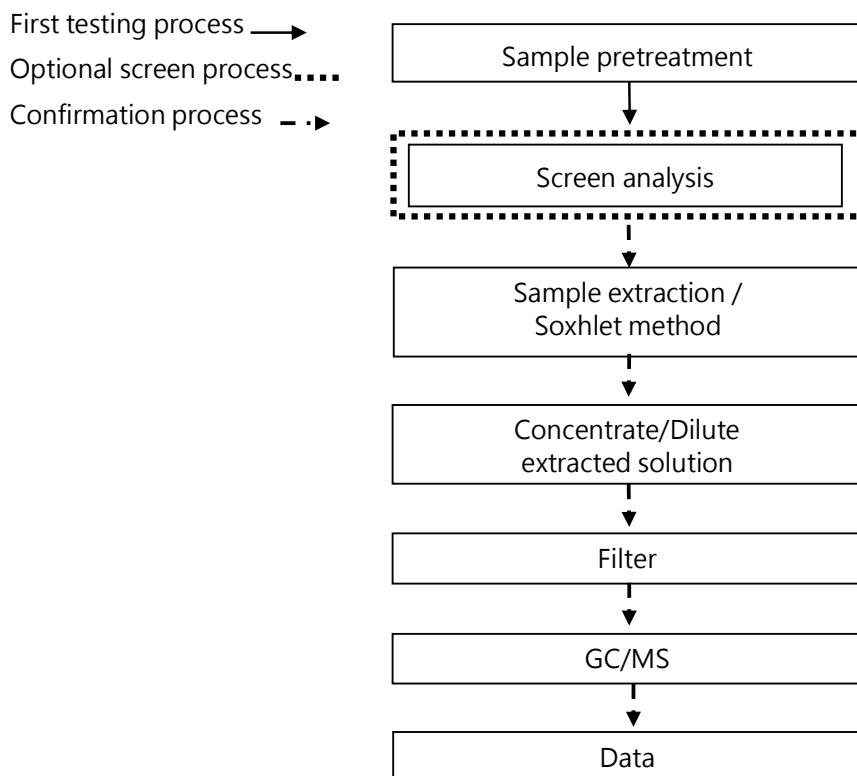
These samples were dissolved totally by pre-conditioning method according to below flow chart.

(Cr⁶⁺ test method excluded)



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Analytical flow chart – PBBs / PBDEs

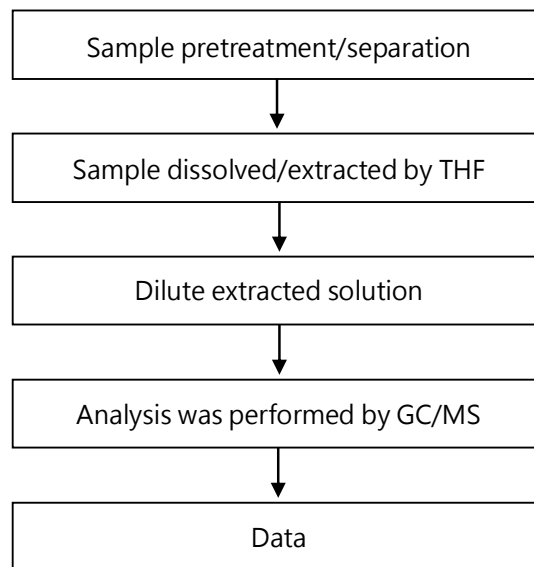


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Analytical flow chart - Phthalate

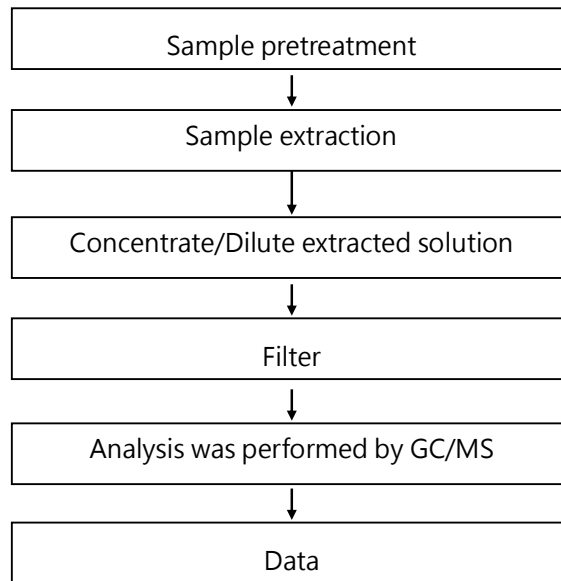
【Test method: IEC 62321-8】



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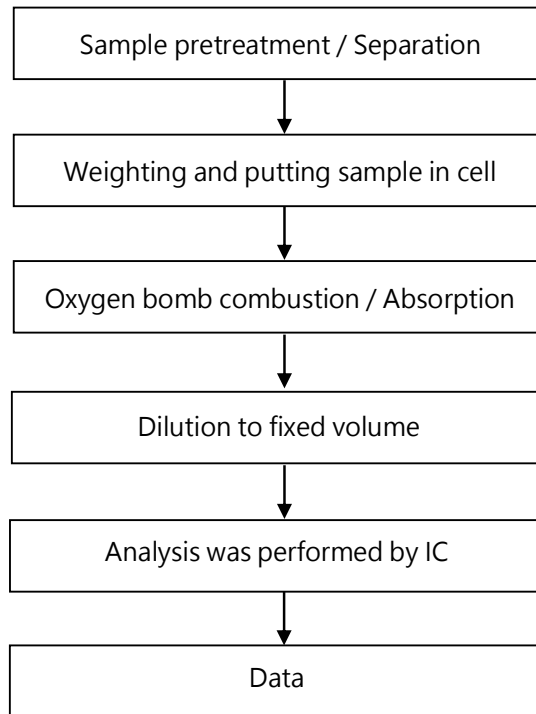
Analytical flow chart - HBCDD



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Analytical flow chart - Halogen



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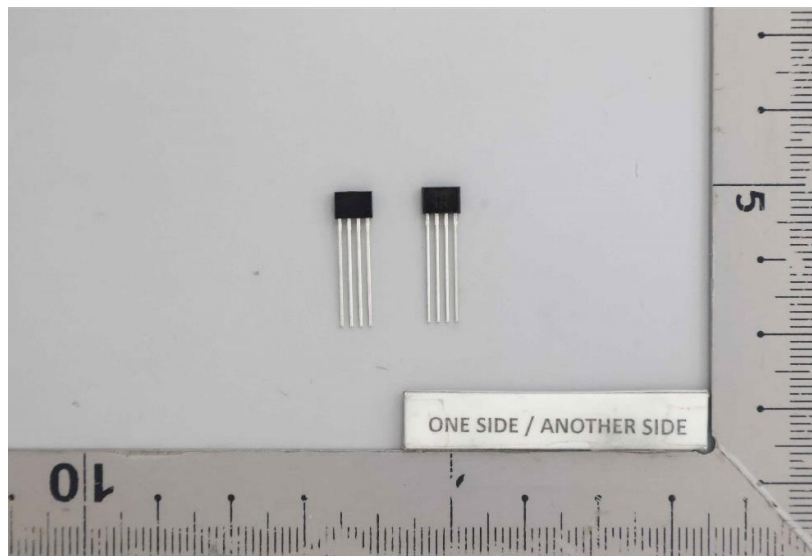
Date: 18-Mar-2024

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* The tested sample / part is marked by an arrow if it's shown on the photo. *

ETR24301906



** End of Report **

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