



# Test Report

No.: ETR25404049

Date: 24-Apr-2025

Page: 1 of 9

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

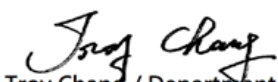
**The following sample(s) was/were submitted and identified by the applicant as:**

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

=====  
Sample Receiving Date : 17-Apr-2025  
Testing Period : 17-Apr-2025 to 24-Apr-2025

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: B69C0D33

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com.tw/terms-of-service> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <https://www.sgs.com.tw/terms-of-service>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.



# Test Report

No.: ETR25404049

Date: 24-Apr-2025

Page: 2 of 9

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

## 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    | n.d.   |
| 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.   |
| <b>Sum of PBBs</b>         |   | 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. |        |
| <b>Sum of PBDEs</b>        | mg/kg   | -     | n.d. |        |

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com.tw/terms-of-service> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <https://www.sgs.com.tw/terms-of-service>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

# Test Report

No.: ETR25404049

Date: 24-Apr-2025

Page: 3 of 9

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

| 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 ( $\alpha$ - HBCDD, $\beta$ - HBCDD, $\gamma$ - 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 :

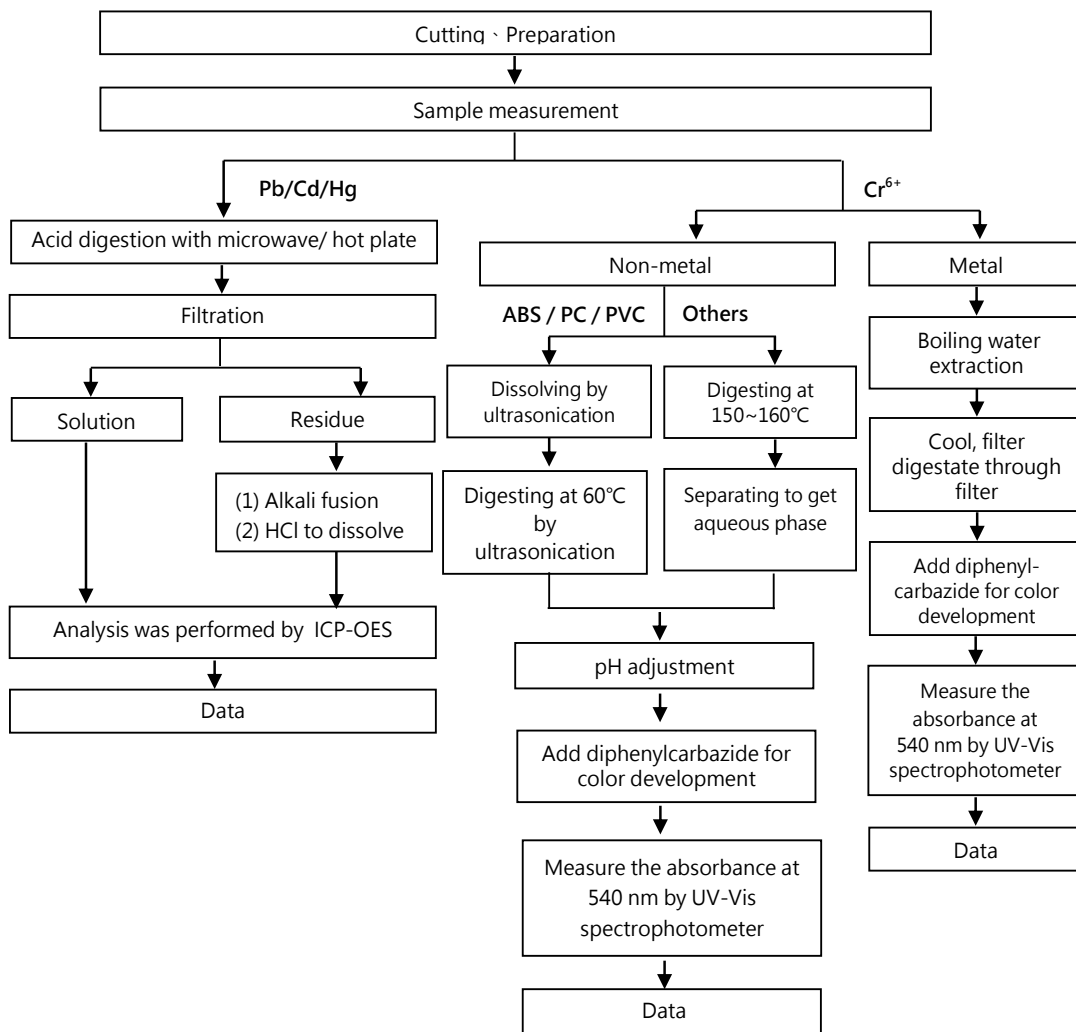
1. mg/kg = ppm ; 0.1wt% = 0.1% = 1000ppm
2. MDL = Method Detection Limit
3. n.d. = Not Detected ( Less than MDL)
4. "-" = Not Regulated
5. The sample(s) was/were analyzed on behalf of the applicant as mixing sample in one testing. The above result(s) was/were only given as the informality value.

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com.tw/terms-of-service> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <https://www.sgs.com.tw/terms-of-service>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

## Analytical flow chart of heavy metal

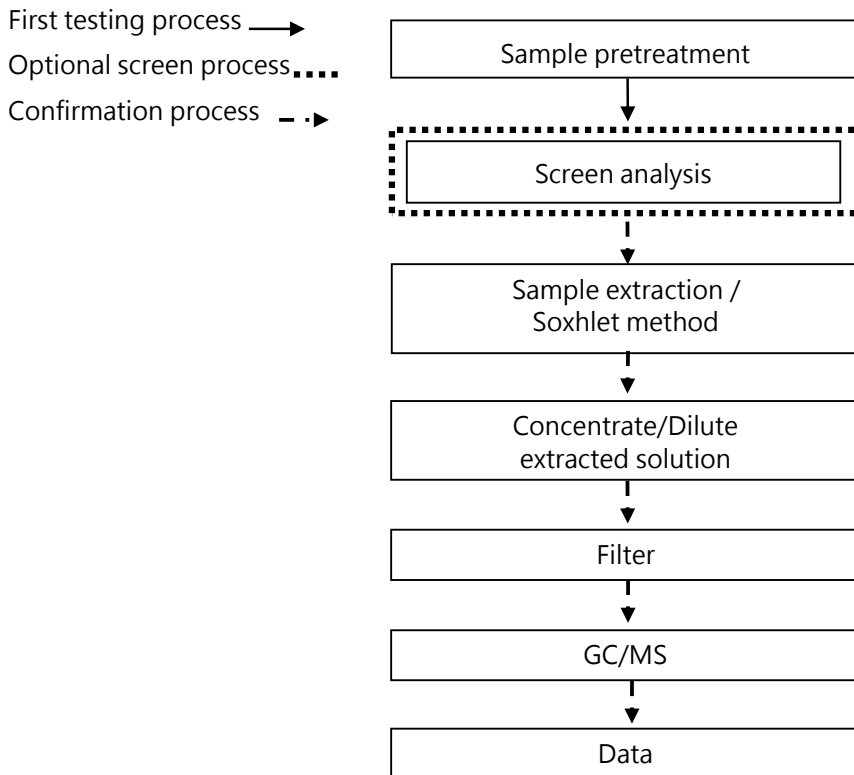
These samples were dissolved totally by pre-conditioning method according to below flow chart.

( Cr<sup>6+</sup> test method excluded )



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com.tw/terms-of-service> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <https://www.sgs.com.tw/terms-of-service>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

### Analytical flow chart – PBBs / PBDEs

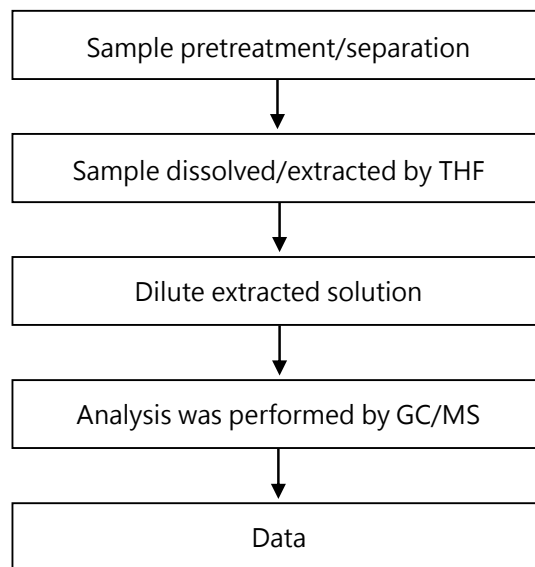


This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com.tw/terms-of-service> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <https://www.sgs.com.tw/terms-of-service>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

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

## Analytical flow chart - Phthalate

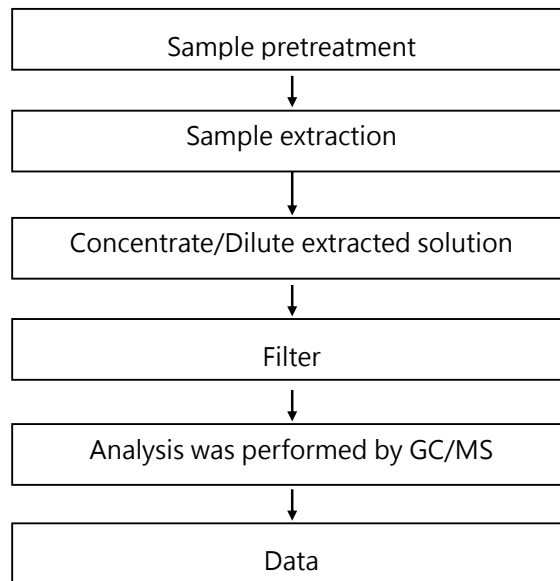
【Test method: IEC 62321-8】



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com.tw/terms-of-service> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <https://www.sgs.com.tw/terms-of-service>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

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

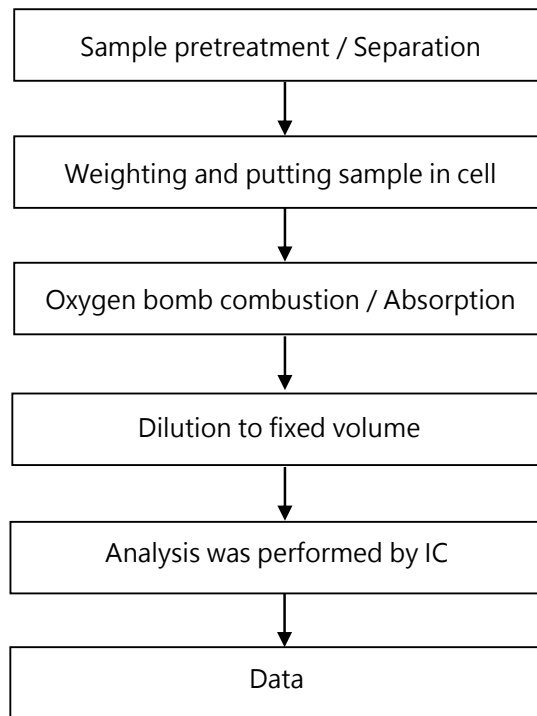
### Analytical flow chart - HBCDD



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com.tw/terms-of-service> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <https://www.sgs.com.tw/terms-of-service>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

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

### Analytical flow chart - Halogen



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com.tw/terms-of-service> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <https://www.sgs.com.tw/terms-of-service>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.



## Test Report

No.: ETR25404049

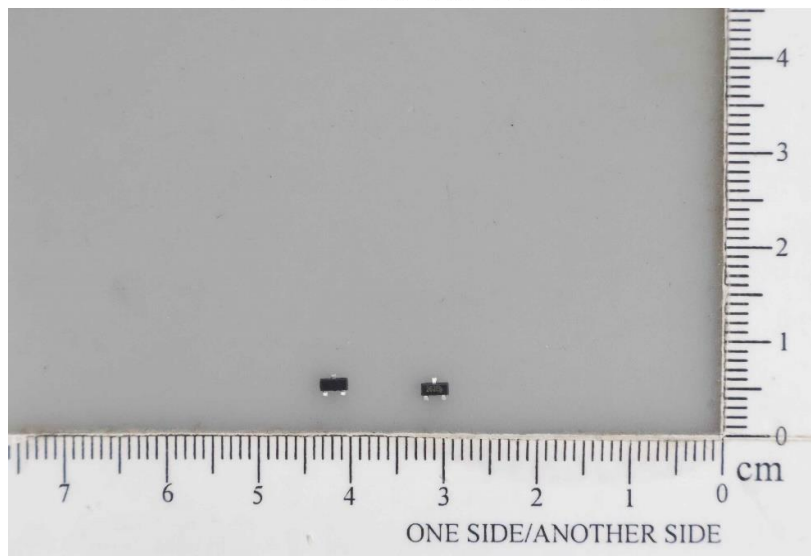
Date: 24-Apr-2025

Page: 9 of 9

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

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

### ETR25404049



\*\* End of Report \*\*

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com.tw/terms-of-service> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <https://www.sgs.com.tw/terms-of-service>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.