

Test Report

No. CTSSA/15162/15
CTS Ref. CTSSA/15/1998/CSC

Date : 27/08/2015

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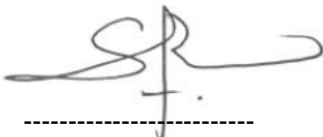
CSC STEEL SDN BHD
180, KAWASAN INDUSTRI AYER KEROH, AYER KEROH
75450 MELAKA, MALAYSIA

The following merchandise was (were) submitted and identified by the client as:

Sample Description : realzinc™
Sample Receiving Date : 21/08/2015
Testing Period : 21/08/2015 to 27/08/2015

Test Requested : Selected test(s) as requested by client
Test Method : Please refer to next page(s).
Test Results : Please refer to next page(s).
Analysts : Foong Cheng Chee & Shirley Then

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Test results:

Test Part Description :

Sample Description : realzinc™

RoHS Directive 2011/65/EU Annex II

| Test Item(s): | Unit | Test Method | Results | MDL | Limit |
|---|-------|---|----------|-----|-------|
| Cadmium (Cd) | mg/kg | With reference to IEC 62321-5:2013 (Determination of Cd by ICP-OES) | N.D. | 2 | 100 |
| Lead (Pb) | mg/kg | With reference to IEC 62321-5:2013 (Determination of Pb by ICP-OES) | N.D. | 2 | 1000 |
| Mercury (Hg) | mg/kg | With reference to IEC 62321-4:2013 (Determination of Hg by ICP-OES) | N.D. | 2 | 1000 |
| Hexavalent Chromium (CrVI) by Spot test / boiling water extraction (optional) # | --- | With reference to IEC 62321:2008 | Positive | - | - |
| Sum of PBBs | mg/kg | With reference to IEC 62321:2008 (Determination of PBB by GC-MS) | N.D. | - | 1000 |
| Monobromobiphenyl | mg/kg | With reference to IEC 62321:2008 (Determination of PBB by GC-MS) | N.D. | 5 | - |
| Dibromobiphenyl | mg/kg | With reference to IEC 62321:2008 (Determination of PBB by GC-MS) | N.D. | 5 | - |
| Tribromobiphenyl | mg/kg | With reference to IEC 62321:2008 (Determination of PBB by GC-MS) | N.D. | 5 | - |
| Tetrabromobiphenyl | mg/kg | With reference to IEC 62321:2008 (Determination of PBB by GC-MS) | N.D. | 5 | - |
| Pentabromobiphenyl | mg/kg | With reference to IEC 62321:2008 (Determination of PBB by GC-MS) | N.D. | 5 | - |
| Hexabromobiphenyl | mg/kg | With reference to IEC 62321:2008 (Determination of PBB by GC-MS) | N.D. | 5 | - |
| Heptabromobiphenyl | mg/kg | With reference to IEC 62321:2008 (Determination of PBB by GC-MS) | N.D. | 5 | - |
| Octabromobiphenyl | mg/kg | With reference to IEC 62321:2008 (Determination of PBB by GC-MS) | N.D. | 5 | - |
| Nonabromobiphenyl | mg/kg | With reference to IEC 62321:2008 (Determination of PBB by GC-MS) | N.D. | 5 | - |
| Decabromobiphenyl | mg/kg | With reference to IEC 62321:2008 (Determination of PBB by GC-MS) | N.D. | 5 | - |

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| | | | | | |
|--------------------------|-------|--|------|---|------|
| Sum of PBDEs | mg/kg | With reference to IEC 62321:2008 (Determination of PBDE by GC-MS) | N.D. | - | 1000 |
| Monobromodiphenyl ether | mg/kg | With reference to IEC 62321:2008 (Determination of PBDE by GC-MS) | N.D. | 5 | - |
| Dibromodiphenyl ether | mg/kg | With reference to IEC 62321:2008 (Determination of PBDE by GC-MS) | N.D. | 5 | - |
| Tribromodiphenyl ether | mg/kg | With reference to IEC 62321:2008 (Determination of PBDE by GC-MS) | N.D. | 5 | - |
| Tetrabromodiphenyl ether | mg/kg | With reference to IEC 62321:2008 (Determination of PBDE by GC-MS) | N.D. | 5 | - |
| Pentabromodiphenyl ether | mg/kg | With reference to IEC 62321:2008 (Determination of PBDE by GC-MS) | N.D. | 5 | - |
| Hexabromodiphenyl ether | mg/kg | With reference to IEC 62321:2008 (Determination of PBDE by GC-MS) | N.D. | 5 | - |
| Heptabromodiphenyl ether | mg/kg | With reference to IEC 62321:2008 (Determination of PBDE by GC-MS) | N.D. | 5 | - |
| Octabromodiphenyl ether | mg/kg | With reference to IEC 62321:2008 (Determination of PBDE by GC-MS) | N.D. | 5 | - |
| Nonabromodiphenyl ether | mg/kg | With reference to IEC 62321:2008 (Determination of PBDE by GC-MS) | N.D. | 5 | - |
| Decabromodiphenyl ether | mg/kg | With reference to IEC 62321:2008 (Determination of PBDE by GC-MS) | N.D. | 5 | - |

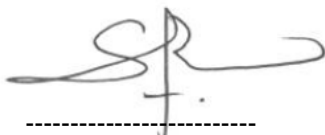
Note :

- (a) mg/kg = ppm ; 0.1wt% = 1000ppm
- (b) N.D. = Not Detected
- (c) MDL = Method Detection Limit
- (d) # = a. Positive means the presence of CrVI on the tested areas
b. Negative means the absence of CrVI on the tested areas

For corrosion protection coatings on metals: Information on storage conditions and production date of the tested sample is unavailable and thus results or Cr(VI) represent status of the sample at the time of testing represent status of the sample at the time of testing.

- (e) - = not regulated

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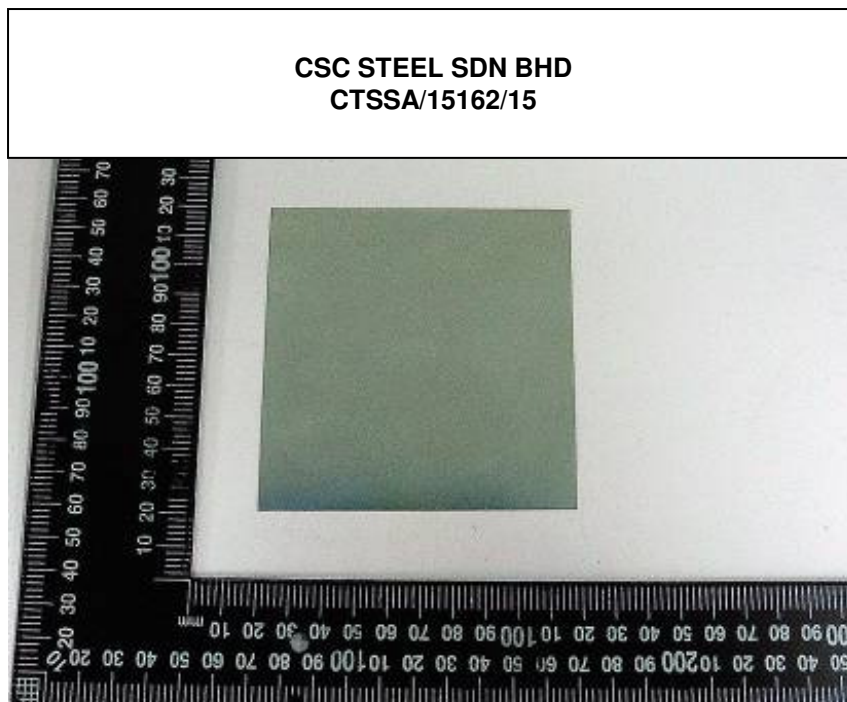
No. CTSSA/15162/15
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Test Part Description :

Sample Description : realzinc™

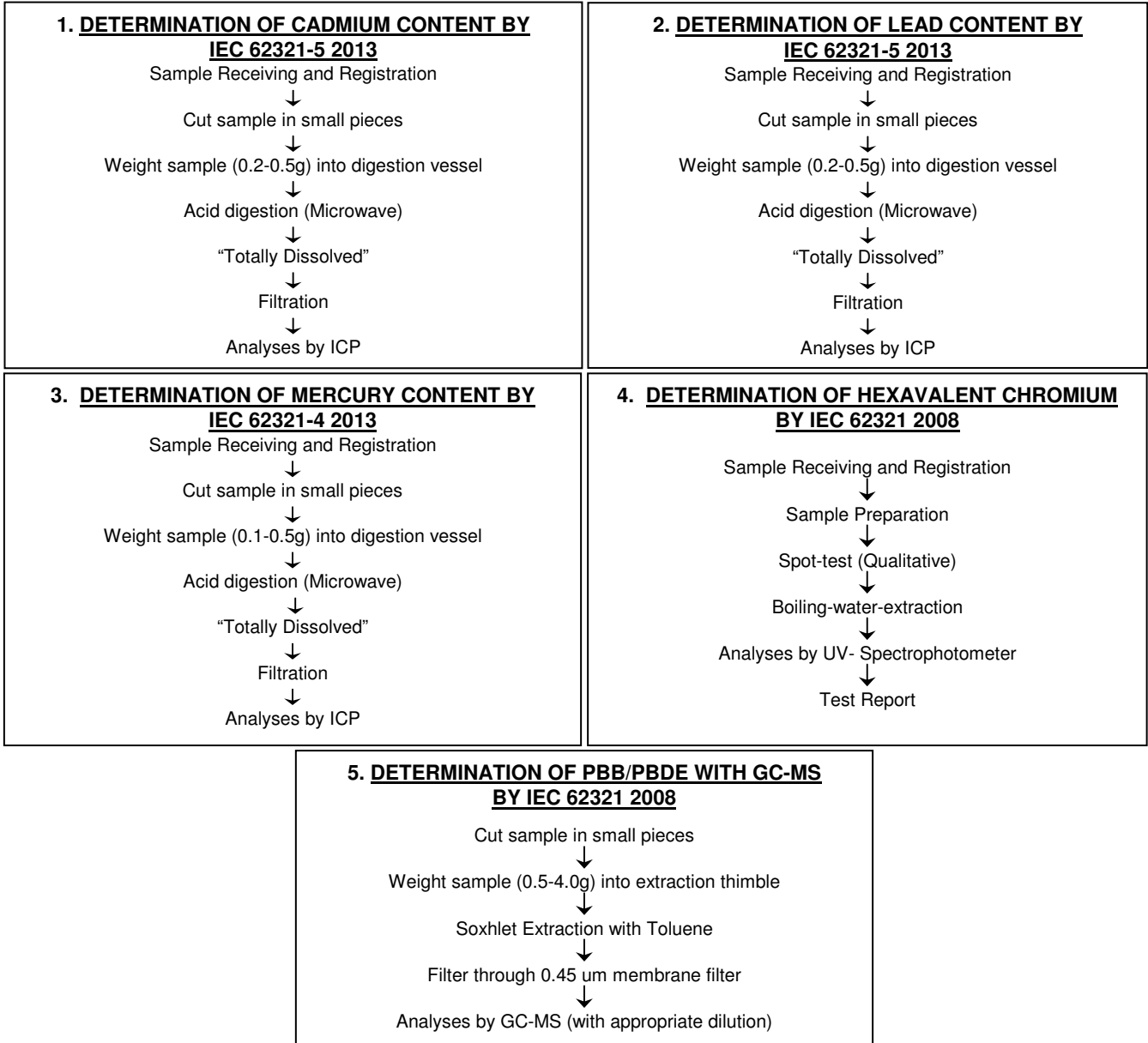


SGS authenticate the photo on original report only

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**** End of Report ****

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