



The following sample(s) was/were submitted and identified on behalf of the clients as : spc vinyl flooring

SGS Job No. : SHIN160903410CCM - SH
Product Specification : 1220*180*4mm
Manufacturer : CHANGZHOU AIPU DECORATIVE MATERIALSN CO.,LTD
Date of Sample Received : 29 Sep 2019
Testing Period : 29 Sep 2019 - 12 Oct 2019
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).

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Helen Liu
Approved Signatory



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SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.
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Test Results :

Test Part Description :

| Specimen No. | SGS Sample ID | Description |
|--------------|------------------|-----------------------------|
| SN1 | SHA16-216139.001 | Light gray with brown floor |

Remarks :

- (1) 1 mg/kg = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (< MDL)
- (4) "-" = Not Regulated

RoHS Directive 2011/65/EU

Test Method : (1) With reference to IEC 62321-5:2013, determination of Cadmium by ICP-OES.

| Test Item(s) | CAS NO. | Unit | MDL | 001 |
|-------------------------|---------|------|-------|-----|
| Dibutyl Phthalate (DBP) | 84-74-2 | % | 0.003 | ND |



Benzylbutyl Phthalate (BBP) 85-68-7 % 0.003 ND (2) With reference to IEC 62321-5:2013, determination of Lead by ICP-OES.

(3) With reference to IEC 62321-4:2013, determination of Mercury by ICP-OES.

(4) With reference to IEC 62321:2008, determination of Hexavalent Chromium by Colorimetric Method using UV-Vis.

| Test Item(s) | Limit | Unit | MDL | 001 |
|------------------------------|-------|-------|-----|-----|
| Cadmium (Cd) | 100 | mg/kg | 2 | ND |
| Lead (Pb) | 1000 | mg/kg | 2 | ND |
| Mercury (Hg) | 1000 | mg/kg | 2 | ND |
| Hexavalent Chromium (Cr(VI)) | 1000 | mg/kg | 2 | ND |

Notes :

(1) The maximum permissible limit is quoted from directive 2011/65/EU, Annex II

Phthalates

Test Method : With reference to EN 14372:2004, analysis was performed by GC-MS.

| Test Item(s) | CAS NO. | Unit | MDL | 001 |
|-------------------------------------|---------------------------|------|-------|-----|
| Bis-(2-ethylhexyl) Phthalate (DEHP) | 117-81-7 | % | 0.003 | ND |
| Diisononyl Phthalate (DINP) | 28553-12-0 /68515-48-0 | % | 0.01 | ND |
| Di-n-octyl Phthalate (DNOP) | 117-84-0 | % | 0.003 | ND |
| Diisodecyl Phthalate (DIDP) | 26761-40-0 /68515-49-1 | % | 0.01 | ND |

Notes :

(1) DBP,BBP,DEHP Reference information: Entry 51 of Regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No 1907/2006 (previously restricted under Directive 2005/84/EC): i) Shall not be used as substances or in mixtures, in concentrations greater than 0,1 % by weight of the plasticised material, in toys and childcare articles.



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ii) Toys and childcare articles containing these phthalates in a concentration greater than 0.1 % by weight of the plasticised material shall not be placed on the market.

Please refer to Regulation (EC) No 552/2009 to get more detail information

DINP, DNOP, DIDP Reference information: Entry 52 of Regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No 1907/2006 (previously restricted under Directive 2005/84/EC).

i) Shall not be used as substances or in mixtures, in concentrations greater than 0.1 % by weight of the plasticised material, in toys and childcare articles which can be placed in the mouth by children.

ii) Such toys and childcare articles containing these phthalates in a concentration greater than 0.1 % by weight of the plasticised material shall not be placed on the market.

Please refer to Regulation (EC) No 552/2009 to get more detail information

Sample photo:



SGS authenticate the photo on original report only

*** End of Report ***

