

**Client : The Bergquist Company**  
**301 Washington St., Cannon Falls,**  
**Minnesota, 55009 U.S.A.**

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

Sample Description : Sil-Pad (R) 1100ST  
Sample No. : 1853254  
Sample Condition : As per attached photograph  
Manufacturer/Vendor : The Bergquist Company  
Country of Origin : United States of America (USA)  
Country of Destination : United States of America (USA)  
Buyer's Name : Rick Steward  
Sample Receiving Date : 12-Apr-2010  
Testing Period : 12-Apr-2010 to 12-May-2010

Test Requested : In accordance with the RoHS Directive 2002/95/EC and its amendment directives

Test Method : (1) With reference to IEC 62321:2008 for Lead content, Analysis was performed by ICP-OES.  
(2) With reference to IEC 62321:2008 for Cadmium content, Analysis was performed by ICP-OES.  
(3) With reference to IEC 62321:2008 for Mercury content, Analysis was performed by ICP-OES.  
(4) With reference to IEC 62321:2008 for Hexavalent Chromium by Alkaline Digestion / Colorimetric Method, Analysis was performed by UV-Vis Spectrometry.  
(5) With reference to IEC 62321:2008 for PBB/PBDE content, Analysis was performed by GC/MS.

Test Results : Please refer to next page.

## CONCLUSION

Based on the performed tests on submitted samples, the result comply with the RoHS Directive 2002/95/EC and its subsequent amendments.

**Signed for and on behalf of**  
**SGS (Thailand) Limited**



**Pornpana Lirathpong**  
**Hardlines Testing Manager**

**TEST RESULTS**

Test results by chemical method (Unit: mg/kg)

| Test Item (s):   | Method (Refer to) | Result (1) | MDL | RoHS Limit |
|--|-------------------|------------|-----|------------|
| Lead (Pb)  | (1)               | n.d.       | 2   | 1000       |
| Cadmium (Cd)   | (2)               | n.d.       | 2   | 100        |
| Mercury (Hg)   | (3)               | n.d.       | 2   | 1000       |
| Hexavalent Chromium (CrVI) by Alkaline Digestion/Colorimetric Method | (4)               | n.d.       | 2   | 1000       |
| sum of PBBs  | (5)               | n.d.       | -   | 1000       |
| Monobromobiphenyl  |                   | n.d.       | 5   | -          |
| Dibromobiphenyl  |                   | n.d.       | 5   | -          |
| Tribromobiphenyl   |                   | n.d.       | 5   | -          |
| Tetrabromobiphenyl   |                   | n.d.       | 5   | -          |
| Pentabromobiphenyl   |                   | n.d.       | 5   | -          |
| Hexabromobiphenyl  |                   | n.d.       | 5   | -          |
| Heptabromobiphenyl   |                   | n.d.       | 5   | -          |
| Octabromobiphenyl  |                   | n.d.       | 5   | -          |
| Nonabromobiphenyl  |                   | n.d.       | 5   | -          |
| Decabromobiphenyl  |                   | n.d.       | 5   | -          |

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TEST RESULTS

Test results by chemical method (Unit: mg/kg)

| Test Item (s):           | Method (Refer to) | Result (1) | MDL | RoHS Limit |
|--------------------------|-------------------|------------|-----|------------|
| Sum of PBDEs             | (5)               | n.d.       | -   | 1000       |
| Monobromodiphenyl ether  |                   | n.d.       | 5   | -          |
| Dibromodiphenyl ether    |                   | n.d.       | 5   | -          |
| Tribromodiphenyl ether   |                   | n.d.       | 5   | -          |
| Tetrabromodiphenyl ether |                   | n.d.       | 5   | -          |
| Pentabromodiphenyl ether |                   | n.d.       | 5   | -          |
| Hexabromodiphenyl ether  |                   | n.d.       | 5   | -          |
| Heptabromodiphenyl ether |                   | n.d.       | 5   | -          |
| Octabromodiphenyl ether  |                   | n.d.       | 5   | -          |
| Nonabromodiphenyl ether  |                   | n.d.       | 5   | -          |
| Decabromodiphenyl ether  |                   | n.d.       | 5   | -          |

Test Part Description

Result (1) yellow ( Sil-Pad (R) 1100ST )

Note :

(a) mg/kg = ppm ; 0.1 wt% = 1000 ppm

(b) The results shown are based on the total weight of dry sample

(c) n.d. = Not Detected

(d) MDL = Method Detection Limit

(e) The exemption of DecaBDE in polymeric application according 2005/17/EC was overruled by the European Court of Justice by its decision of 01.04.2008. Subsequently DecaBDE will be included in the sum of PBDE after 01.07.2008

(f) "-" = Not regulated

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Flow Chart for RoHS : Pb/Cd/Hg/Cr<sup>6+</sup>/PBBs/PBDEs Testing

1. Operator : Wanwisa Seakew
2. Section Chief : Laddawan Uranpitr
3. The sample was dissolved totally by pre-conditioning method according to below flowchart. (Cr<sup>6+</sup> and PBBs/PBDEs test method excluded)



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SAMPLE/ATTACHMENT PICTURE



\*\*\*\*\* End of Report \*\*\*\*\*

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