

Test Report No. 3823481

Date : 13-Mar-2018

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**Client : Thai Laminate Manufacturer Co., Ltd.
70 Soi Chalongkrung 31, Kwang Lamplatew,
Latkrabang Bangkok 10520 Thailand**

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

Sample Name : TLM-LAMINATE FR4 TLM-140(mt)
 Sample Description : LAMINATE
 Sample No. : 3928030
 Sample Condition : Sample is contained in a plastic bag.
 Quantity Submitted : 2 pcs
 Part No. : 3L262-05922-52004800-L2
 Batch/Lot No. : L180200888
 Manufacturer/Vendor : TLM
 Country of Origin : THAILAND
 Sample Receiving Date : 21-Feb-2018
 Testing Period : 21-Feb-2018 to 13-Mar-2018

Test Method & Results : Please refer to next page(s).

Test Requested & Result Summary

Test Requested : Please refer to the result summary (Test parameter(s) was/were selected by client).

Result Summary:

| | |
|----------------------------------|------------|
| Test Requested | Conclusion |
| - Tetrabromobisphenol A (TBBP-A) | See result |

Remark: Test results in this report are applicable for the item tested and reflects the tested sample as received.

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



**Rutchuporn Mungsom
Laboratory manager - Toy and Hardgood**

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TEST RESULTS

Tetrabromobisphenol A

Method: With reference to Global SOP RSTS-E&E-121(2012). Analysis was performed by LC/MS.

| Test Item(s) | Unit | MDL | Result (1) |
|--|-------|-----|------------|
| Tetrabromobisphenol A (TBBP-A) (CAS No.: 79-94-7) | mg/kg | 10 | n.d. |

Sample Description :

- 1. Brown sheet

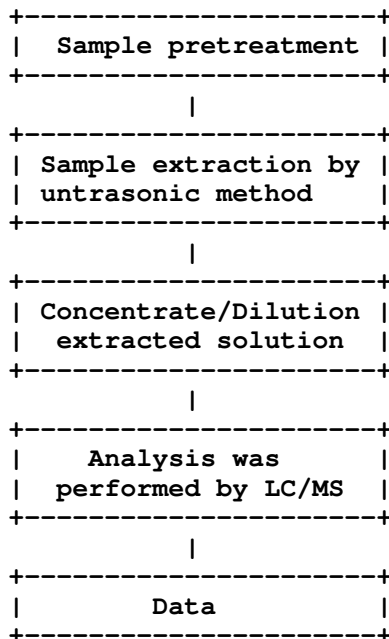
- Note :
- 1. mg/ kg = ppm ; 0.1wt% = 1000ppm
 - 2. n.d. = Not Detected = less than MDL
 - 3. MDL = Method Detection Limit
 - 4. The test item was performed by SGS Taiwan Ltd.

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TBBP-A Analytical Flow chart

- 1) Technician: Yaling Tu
- 2) Supervisor: Troy Chang



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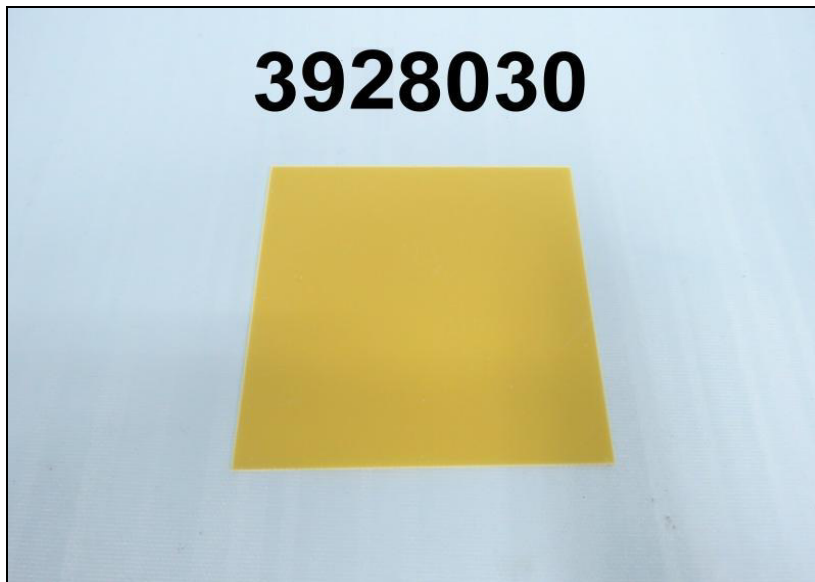
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SAMPLE/ATTACHMENT PICTURE



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

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