

Test Report No.: 143094830c 001

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Client:

BANGKOK 10150, THAILAND

Test item(s): Commodity, contact with foodstuff

**Identification/
Model No(s):** RUBBERWOOD BREAD CUTTING BOARD

Receipt No.: 00090625188

**Sample
Receiving date:** 25 June 2009

Delivery condition: Apparent good, Samples tested as received
Test specification:

Customer's requirement:
Selected tests for the suitability for contact with foodstuffs complied with the following regulations:
- German §30 and §31 LFGB (Lebensmittel-, Bedarfsgegenstände- und Futtermittelgesetzbuch)

Test result:**PASS****Other Information:**

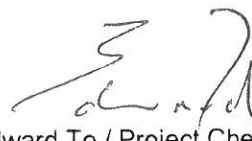
Testing period: 27 June 2009 – 08 July 2009

Information provided by client: Country of Origin: Thailand

Our reference no. of this report: AZ 57353/8

Checked by:


13 July 2009 Amy Chong / Project Chemist

Reviewed by:


13 July 2009 Edward To / Project Chemist

Date

Name/Position

Date

Name/Position

Test result is drawn according to the kind and extent of tests performed.

This test report relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.

| | |
|---------------------------------|-------------|
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|---------------------------------|-------------|

Indication: Food contact
Product: Commodity, contact with foodstuff
§ 2 (6) No. 1, German Food, Commodities and Animal Feed Code of Law (LFGB)

Description of test specimen :

Item: RUBBERWOOD BREAD CUTTING BOARD

| Material No. | Material | Color | Location |
|--------------|----------|-------|---------------------|
| 1 | Wood | Brown | Bread cutting board |

According to Regulation (EC) No 1935/2004 this product is an article or material that is intended to come into contact with food and according to § 2 (6) No. 1 of the German Food, Commodities and Animal Feed Code of Law (LFGB) this product is a commodity.

Test Results

1. General manufacture and materials employed

The products submitted for testing are manufactured by a clean and hygienic manufacturer. No manufacturing residues or other damage could be determined which, in the sense of its foreseen and intended use, could lead to the user being endangered or the health of the user being impaired.

2. Sensorial examination

It is examined to the extent of food simulant being used, which comes into contact with the product, undergoes detectable changes in taste and smell. For this purpose, the food simulant was stored in the product under the below mentioned time and temperature. Afterwards, the food simulant was examined by appropriate number of tasters with regard to any divergence in smell and taste. Another test sample, which was used as a reference, was treated by the same way except that it had no contact with the product to be tested. Before testing, the product had been cleaned three times with hot water (60°C).

The test was carried out on the basis of DIN 10955:2004.

Evaluation scheme for the transfer of taste and smell:

- 0 = no discernible deviation
- 1 = barely discernible deviation
- 2 = weak deviation
- 3 = clear deviation
- 4 = strong deviation

Limit: 3 (failed)

The following simulation solvents and test conditions were stipulated:

| food simulant | test duration/temperature |
|---------------|---------------------------|
| Bread | 24 hrs / 40°C |

| | | |
|-----------------------------------|------------------|-------|
| Test No.: | 1 | Limit |
| Material No.: | 1 | |
| Parameter | Result (Average) | |
| transfer of smell into foodstuffs | 0 | <3 |
| transfer of taste into foodstuffs | 0 | <3 |

The submitted products are inconspicuous with regard to the transfer of smell and taste to the food simulant.

3. Pesticide with Pentachlorophenol (PCP)

Test method: Organic solvent extraction, GC-ECD, GC-MS (QMA 36.035.80 HKG)

Table 1: Selected Pesticides being tested.

| Test No.: | | 1 | |
|---------------------|--------------------|----------------|------------------------------|
| Material No.: | | 1 | |
| Selected Pesticides | Cas no. | Result (mg/kg) | Technically Preventive Limit |
| Allethrin | 584-79-2 | <0.1 | n.d. |
| 1-chloronaphthalene | 90-13-1 | <0.1 | n.d. |
| 2-chloronaphthalene | 91-58-7 | <0.1 | n.d. |
| Chloropyrifos | 2921-88-2 | <0.1 | n.d. |
| Chlorothalnil | 1897-45-6 | <0.1 | n.d. |
| Cyfluthrin | 68359-37-5 | <0.1 | n.d. |
| Cypermethrin | 52315-07-8 | <0.1 | n.d. |
| o,p-DDD | 53-19-0 | <0.1 | n.d. |
| p,p-DDD | 72-54-8 | <0.1 | n.d. |
| o,p-DDE | 3424-82-6 | <0.1 | n.d. |
| p,p-DDE | 72-55-9 | <0.1 | n.d. |
| o,p-DDT | 50-29-3 | <0.1 | n.d. |
| p,p-DDT | 789-02-6 | <0.1 | n.d. |
| DDE | 3424-82-6, 72-55-9 | <0.1 | n.d. |
| DDT | 50-29-3, 789-02-6 | <0.1 | n.d. |
| Diazinon | 333-41-5 | <0.1 | n.d. |
| Dichlofluanid | 1085-98-9 | <0.1 | n.d. |
| Dieldrin | 60-57-1 | <0.1 | n.d. |
| α-Endosulfan | 959-98-8 | <0.1 | n.d. |
| β-Endosulfan | 33213-65-9 | <0.1 | n.d. |
| Fenitrothion | 122-14-5 | <0.1 | n.d. |
| Fenthion | 55-38-9 | <0.1 | n.d. |
| Fenvalerate | 51630-58-1 | <0.1 | n.d. |
| Furmecycloz | 60568-05-0 | <0.1 | n.d. |
| Hexachlorobenzene | 118-74-1 | <0.1 | n.d. |
| Lindane(g-HCH) | 58-89-9 | <0.1 | n.d. |
| Malathion | 121-75-5 | <0.1 | n.d. |
| Methoxychlor | 72-43-5 | <0.1 | n.d. |
| Parathion-ethyl | 56-38-2 | <0.1 | n.d. |
| Parathion-methyl | 298-00-0 | <0.1 | n.d. |
| Pentachloroanisole | 1825-21-4 | <0.1 | n.d. |
| Permethrin | 52645-53-1 | <0.1 | n.d. |
| Piperonyl butoxide | 51-03-06 | <0.1 | n.d. |
| Propiconazole | 60207-90-1 | <0.1 | n.d. |
| Propoxur | 114-26-1 | <0.1 | n.d. |
| Tebuconazole | 107534-96-3 | <0.1 | n.d. |
| Tetrachlorvinylphos | 22248-79-9 | <0.1 | n.d. |
| Tetramethrin | 7696-12-0 | <0.1 | n.d. |
| Tolyfluanid | 731-27-1 | <0.1 | n.d. |

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| | | | |
|-------------------|---------|------|------|
| Benzo(a)pyrene | 50-32-8 | <0.1 | n.d. |
| Total PCB | --- | <0.1 | n.d. |
| Pentachlorophenol | 87-86-5 | <0.1 | n.d. |
| Tetrachlorophenol | --- | <0.1 | n.d. |

Abbreviation: n.d. denotes not detected :<0.1mg/kg
< denotes less than

The examined item meets the requirement.

#4. Determination of transfer of antimicrobial constituents (EN 1104)

Method: Paper and board intended to come into contact with foodstuffs - Determination of transfer of antimicrobial constituents; DIN EN 1104

| | | |
|------------------------------|------|--------|
| Sample No.: | 1 | |
| Sample: | 1 | |
| Parameter | Unit | Result |
| Antimicrobial transfer | . | no |
| Aspergillus niger, DSM 1957 | . | x |
| Growth inhibition zone | mm | 0 |
| Growth | . | ++ |
| Bacillus subtilis, ATCC 6633 | . | x |
| Growth inhibition zone | mm | 0 |
| Growth | . | ++ |

Samples which do not show an inhibition zone, contain no water soluble antimicrobial constituents. An inhibition zone is proven if no growth or observable reduction of the growth (env. 20% less than in the surrounding area) is observed.

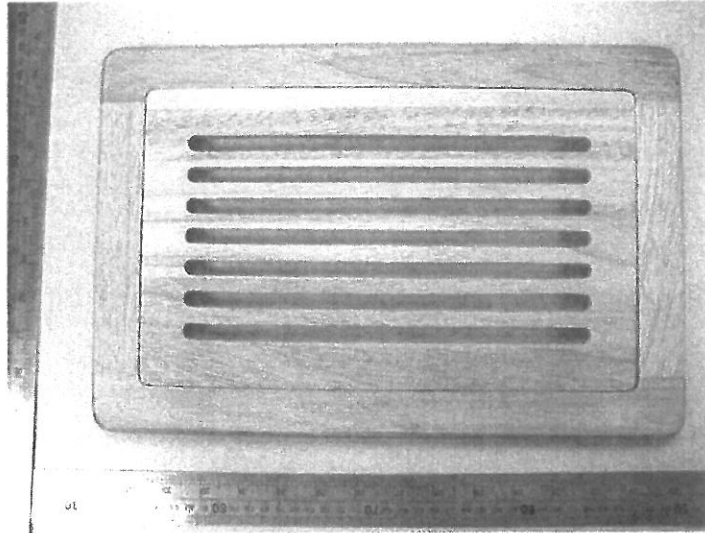
- = no growth
+ = growth
++ = strong growth

“#” Indicates that the test is sub-contracted to a laboratory which complies with the requirement of ISO/IEC 17025.

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Sample photo:



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BUREAU VERITAS CONSUMER PRODUCTS SERVICES DIVISION

Technical Report: (6311)101-0007
Date Received: APRIL 11, 2011

MAY 06, 2011
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BANGKOK 10150

| | | | |
|----------------------|---|-------------------------|---|
| Sample Description: | CUTTING BOARD-RUBBER WOOD / CUTTING BOARD-ACACIA WOOD | | |
| Manufacturer: | B.S.P. INDUSTRIAL CO., LTD. | PO No.: | / |
| Buyer: | / | Style: | / |
| Country of Origin: | THAILAND | Country of Destination: | / |
| Color: | / | SKU No.: | / |
| Protocol No.: | / | UPC Code: | / |
| Previous Report No.: | / | | |

EXECUTIVE SUMMARY:

The submitted sample is rated as **PASS** due to the tested sample complied with requirement of the Phthalate Contents for Plastic Materials in Contact with Foodstuffs test.

REMARK:

As per client's request, this report contained only the result Phthalate Contents for Plastic Materials in Contact with Foodstuffs test.

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MAY 06, 2011
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NOTE:

If there are questions or concerns regarding above report, please contact the appropriate lab persons.

Technical questions & concerns:

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**BUREAU VERITAS CONSUMER PRODUCTS SERVICES
(THAILAND) LTD.**

A handwritten signature in black ink, appearing to read 'Paweena Thapana-Anan'.

Paweena Thapana-Anan
Hardline Lab Manager

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RESULT:

1. Phthalate Contents for Plastic Materials in Contact with Foodstuffs – 2002/72/EC and Its Amendments

Test Method : Solvent extraction with Gas Chromatograph Mass Spectrometer (GC-MS) or Liquid Chromatograph Mass Spectrometer (LC-MS) analysis.

Tested Item(s) : I001 Transparent coating (On acacia wood: round board)
I002 Transparent coating (On rubber wood: oval board)

| Parameter | Unit | Result | | Maximum Allowable Limit |
|-------------------|------|--------|--------|-------------------------|
| | | I001 | I002 | |
| BBP | % | <0.005 | <0.005 | 0.1 |
| DBP | % | <0.005 | <0.005 | 0.05 |
| DEHP | % | 0.026 | 0.015 | 0.1 |
| DIDP | % | <0.005 | <0.005 | 0.1 |
| DINP | % | <0.005 | <0.005 | 0.1 |
| Conclusion | - | PASS | PASS | - |

| Parameter | Unit | Result | | Maximum Allowable Limit |
|-------------------|------|--------|------|-------------------------|
| | | I001 | I002 | |
| *DNOP | % | ND | ND | - |
| *DMP | % | ND | ND | - |
| *DEP | % | ND | ND | - |
| *DIBP | % | ND | ND | - |
| *DIHePp | % | ND | ND | - |
| Conclusion | - | DATA | DATA | - |

Note:

ND = Not detected “<” = Less than
% = percent = 10000 mg/kg mg/kg = milligram per
Detection Limit (%): Each 0.005 kilogram



RESULT:

- Remark: 1) The limit refers to European Commission Directive 2007/19/EC.
- 2) The name and Chemical Abstracts Service number (CAS-No.) of phthalates are shown in table of Appendix.
- 3)*The results of these phthalates were not listed under European Commission Directive 2007/19/EC.

APPENDIX

| Phthalates: | | | | | |
|--------------------|----------------------------------|----------------|------------|--------------------------------|----------------|
| No. | Name | CAS-No. | No. | Name | CAS-No. |
| 1 | Butyl benzyl phthalate (BBP) | 85-68-7 | 6 | Di-iso-decyl phthalate (DIDP) | 26761-40-0 |
| 2 | Dibutyl phthalate (DBP) | 84-74-2 | 7 | Dimethyl phthalate (DMP) | 131-11-3 |
| 3 | Di-2-ethylhexyl phthalate (DEHP) | 117-81-7 | 8 | Diethyl phthalate (DEP) | 84-66-2 |
| 4 | Di-n-octyl phthalate (DNOP) | 117-84-0 | 9 | Di-iso-butyl phthalate (DIBP) | 84-69-5 |
| 5 | Di-iso-nonyl phthalate (DINP) | 28553-12-0 | 10 | Diisoheptyl phthalate (DIHePp) | 71888-89-6 |

END

REPORT

Lab Numbers: (6311)101-0007

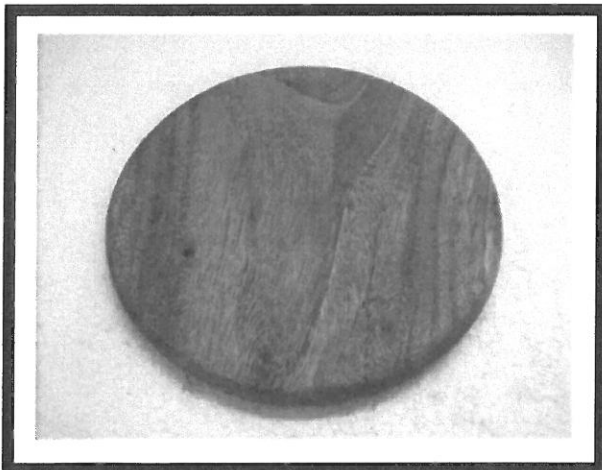
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MAY 06, 2011



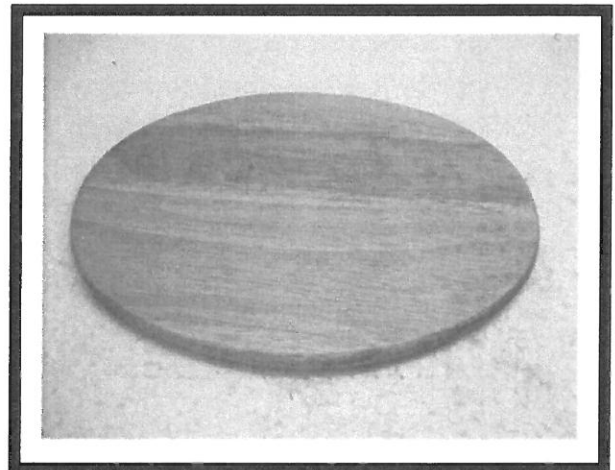
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