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**TEST REPORT**

Number: BKKH11064817

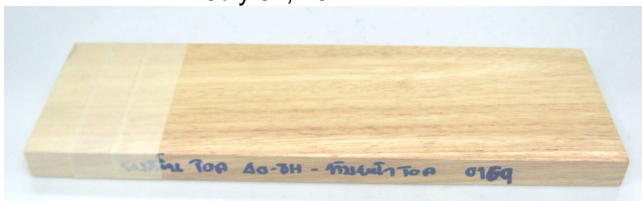
Applicant: TOA-UNION PAINT (THAILAND) CO., LTD.  
104 SOI PUKMIT MOO 1, SAMRONGTAI, PHRAPRADAENG,  
SAMUTPRAKARN 10130 THAILAND  
ATTN: K.KITTIPAT

Date: Jul 13, 2011

**Sample description:**

One (1) piece of submitted sample said to be Lacquer

Lacquer sanding sealer: 1423, 408H  
Lacquer topcoat : 0151, 0165, 0150, 0168, 0169, 0190, 0195, 0170  
Country of origin: Thailand  
Date sample received: July 07, 2011



**BKKH11064817**

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**Tests conducted:**

As requested by the applicant, for details please refer to attached page(s)

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**Conclusion:**

<u>Tested samples</u> submitted Sample	<u>Standard - U.S. ASTM F963-08</u> Toxic elements Test	<u>Result</u> Pass
	<u>Standard</u> EN71 Part 3 : 1994 with the Incorporation of amendment A1:2000 and AC:2002	Pass

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Authorized by :  
For Intertek Testing Services (Thailand)

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Phanit Hitapong  
Division Manager  
Toys & Hardlines Division



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# TEST REPORT

Number: BKKH11064817

Test conducted:

## 1 Toxic elements analysis

As per section 4.3.5 of the ASTM Standard Consumer Safety Specification on toy safety F963-08 for total toxic elements, acid digestion method was used and all toxic elements content were determined by Inductively Couple Plasma Optical Emission Spectrometry.

	<u>Result in ppm</u>	<u>Limit ppm</u>
Total lead (Pb)	13	90
Sol. Barium (Ba)	<5	1000
Sol. Lead (Pb)	<5	90
Sol. Cadmium (Cd)	<5	75
Sol. Antimony (Sb)	<5	60
Sol. Selenium (Se)	<5	500
Sol. Chromium (Cr)	<5	60
Sol. Mercury (Hg)	<5	60
Sol. Arsenic (As)	<3	25

Remark: Sol. = Soluble  
< = Less than  
ppm = Parts per million based on weight of paint coating;

Tested component: Lacquer coating on wood

Testing period: July 07, 2011 to July 13, 2011

## 2 Toxic elements analysis

As per European Standard on safety of toys EN71 Part 3 : 1994 with the incorporation of amendment A1 : 2000 and AC : 2002, toxic elements migration were determined by Inductively Couple Plasma Optical Emission Spectrometry.

	<u>Result in mg/kg</u>	<u>Limit mg/kg</u>
Sol. Barium (Ba)	<5	1000
Sol. Lead (Pb)	<5	90
Sol. Cadmium (Cd)	<5	75
Sol. Antimony (Sb)	<5	60
Sol. Selenium (Se)	<5	500
Sol. Chromium (Cr)	<5	60
Sol. Mercury (Hg)	<5	60
Sol. Arsenic (As)	<3	25

Remark: Sol. = Soluble  
< = Less than  
mg/kg = Milligram per kilogram based on weight of sample;

Tested component: Lacquer coating on wood

Testing period: July 07, 2011 to July 13, 2011

\*\*\*\*\* E N D \*\*\*\*\*/DE/RD/OL