



# Test Report

No. F690101/LF-CTSAYHA15-05365

Issued Date : 2015. 05. 29

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## I&S

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Heungdeok-gu, Cheongju-si, Chungbuk  
Korea

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

**SGS File No.** : AYHA15-05365  
**Sample Description** : Kids sofa  
**Style no./Item no.** : -  
**Order No.** : -  
**Manufacturer** : -  
**Country of Origin** : -  
**Country of Destination** : -  
**Received Date** : 2015. 05. 26  
**Test Period** : 2015. 05. 27 to 2015. 05. 29  
**Test Result(s)** : For further details, please refer to following page (s)  
**Result Summary** :

Test Requested	Conclusion
<b>EN71-3:2013 + A1:2014 – Migration of certain elements (By all conclusive testing)</b>  (Selected specimen(s) was/were tested as specified by the applicant, please refer to test result page(s) for details.)	<b>PASS</b>

SGS Korea Co., Ltd

Jeff Jang / Chemical Lab Mgr

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**Test Results :**
**EN71-3:2013 + A1:2014 – Migration of certain elements**
**Category III: Scrapped-off toy material**

Method : With reference to EN71-3:2013. Analysis of general elements was performed by ICP-OES. Chromium (III) was obtained by calculation, chromium (VI) was analyzed by IC-UV/VIS. Organic Tin was analyzed by GC-MS.

Test Item	Result (mg/kg)		Reporting Limit (mg/kg)	Permissible Limit (mg/kg)
	1			
Mass of trace amount (mg)	--		--	--
Soluble Aluminium (Al)	ND		50	70,000
Soluble Antimony (Sb)	ND		10	560
Soluble Arsenic (As)	ND		10	47
Soluble Barium (Ba)	ND		50	18,750
Soluble Boron (B)	ND		50	15,000
Soluble Cadmium (Cd)	ND		5	17
Soluble Chromium (Cr)	ND		0.15	--
Soluble Chromium (III) (Cr (III))	ND		1	460
Soluble Chromium (VI) (Cr (VI))	ND		0.18	0.2
Soluble Cobalt (Co)	ND		10	130
Soluble Copper (Cu)	ND		50	7,700
Soluble Lead (Pb)	ND		10	160
Soluble Manganese (Mn)	ND		50	15,000
Soluble Mercury (Hg)	ND		10	94
Soluble Nickel (Ni)	ND		10	930
Soluble Selenium (Se)	ND		10	460
Soluble Strontium (Sr)	ND		50	56,000
Soluble Tin (Sn)	ND		4.9	180,000
Soluble Organic Tin	--	7.35	--	12
Soluble Zinc (Zn)	ND		50	46,000
<b>Comment</b>	<b>PASS</b>		--	--

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Test Item(s)	Soluble Organic Tin Result(s) (mg/kg)		MDL (mg/kg)
	1		
Methyl tin (MeT)	ND		0.5
Di-n-propyl tin (DProT)	ND		0.5
Butyl tin (BuT)	ND		0.5
Dibutyl tin (DBT)	7.35		0.5
Tributyl tin (TBT)	ND		0.5
n-Octyl tin (MOT)	ND		0.5
Tetrabutyl tin (TeBT)	ND		0.5
Diphenyl tin (DPhT)	ND		0.5
Di-n-octyl tin (DOT)	ND		0.5
Triphenyl tin (TPhT)	ND		0.5

Sample Description :

1. Ivory foam

- Note.
1. mg/kg = milligram per kilogram
  2. ND = Not Detected
  3. 1% = 10000 mg/kg = 10000 ppm

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Picture of Sample as Received :



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

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