



## Test Report

No.HKHL1211038308JL

Date: NOV 13, 2012

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MINERON (H.K.) CO.,LTD  
35-37 , ON LOK MON ST.,ON LOK TSUEN,FANLING,N.T.,  
HONG KONG

The following samples were submitted and identified on behalf of the client as:  
RIGID PVC SHEET

SGS Case No. : HKHL121100023799  
Lot. No. : FCA101  
Sample Receiving Date : NOV 02, 2012  
Test Performing Date : NOV 02, 2012 – NOV 12, 2012

Test Requested : Please refer to the result summary.

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

Result Summary :

Test Requested	Conclusion
European Directive 2009/48/EC and its amendment – Migration of certain elements (As per client's request)	PASS

Note: the result of the testing is for indication only as the draft standard is subject to changes.

Signed for and on behalf of  
SGS Hong Kong Ltd.

Che Wai Leuk, Jerry  
Section Manager

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Test Results :

**European Directive 2009/48/EC – Migration of certain elements (As per client's request)**
Category III: Scrapped-off toy material

Method : With reference to pr EN 71 Part 3:2012. Analysis was performed by ICP-OES.

Test Item	Result (mg/kg)		Reporting Limit (mg/kg)	Permissible Limit (mg/kg)
	1			
Soluble Aluminium (Al)	ND		50	70,000
Soluble Antimony (Sb)	ND		10	560
Soluble Arsenic (As)	ND		10	47
Soluble Barium (Ba)	ND		50	56,000
Soluble Boron (B)	ND		50	15,000
Soluble Cadmium (Cd)	ND		10	17 <sup>^</sup>
Soluble Chromium (III) (Cr (III))	ND		5	460
Soluble Chromium (VI) (Cr (VI))	ND <sup>#</sup>		0.2	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	ND <sup>*</sup>		4.9	12
Soluble Zinc (Zn)	ND		50	46,000
<b>Comment</b>	PASS		--	--

**Sample Description :**

1. Transparent Plastic (sheet)

 Note : 1. mg/kg = milligram per kilogram  
 2. ND = Not Detected

 Remark : <sup>^</sup> = Permissible limit is quoted from EU Commission Directive 2012/7/EU

<sup>#</sup> = Reported as Soluble Chromium

<sup>\*</sup> = Reported as Soluble Tin

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

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