

Test Report No. F690101/LF-CTSAYHA13-00570 Issued Date : February 08, 2013 Page 1 of 3

TO: I&S
 136-1, Hojuk-Ri,
 Oksanmyeon,
 Cheongwongun,
 Chungbuk,
 Korea

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

SGS Job No.. : AYHA13-00570
Sample Description : DWINGULER KIDS' PLAYMAT (环保康乐儿童垫)
Style / Item No. : -
Order No. : -
Buyer : -
Supplier : -
Country of Origin : SOUTH KOREA
Country of Destination : -
Sample Receiving Date : JAN. 30, 2013
Testing Period : JAN. 31, 2013 to FEB. 08, 2013
Test Performed : SGS Korea tested the sample which was selected by applicant with following result.
Test Result(s) : For further details, please refer to following page (s)
Result Summary :

Test Requested	Conclusion
European Directive 2009/48/EC and its amendment – Migration of certain elements	PASS

SGS Korea Co., Ltd.



Tommy Oh / Technical Manager

Test Results :

European Directive 2009/48/EC – Migration of certain elements

Category III: Scrapped-off toy material

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

Test Item(s)	Result (mg/kg)		Reporting Limit (mg/kg)	Permissible Limit (mg/kg)
	1	2		
Soluble Aluminium (Al)	ND	ND	50	70,000
Soluble Antimony (Sb)	ND	ND	10	560
Soluble Arsenic (As)	ND	ND	10	47
Soluble Barium (Ba)	ND	ND	50	56,000
Soluble Boron (B)	ND	ND	50	15,000
Soluble Cadmium (Cd)	ND	ND	10	17 [^]
Soluble Chromium (III) (Cr (III))	ND	ND	5	460
Soluble Chromium (VI) (Cr (VI))	ND [#]	ND [#]	0.2	0.2
Soluble Cobalt (Co)	ND	ND	10	130
Soluble Copper (Cu)	ND	ND	50	7,700
Soluble Lead (Pb)	ND	ND	10	160
Soluble Manganese (Mn)	ND	ND	50	15,000
Soluble Mercury (Hg)	ND	ND	10	94
Soluble Nickel (Ni)	ND	ND	10	930
Soluble Selenium (Se)	ND	ND	10	460
Soluble Strontium (Sr)	ND	ND	50	56,000
Soluble Tin (Sn)	ND	ND	4.9	180,000
Soluble Organic Tin --	ND [*]	ND [*]	4.9	12
Soluble Zinc (Zn)	ND	ND	50	46,000
Comment	PASS	PASS	-	-

Description :

1. Orange Mat
2. White Foam

Note: (1) mg/kg = milligram per kilogram
 (2) N. D. = Not detected (< MDL)

Remark: Permissible limit is quoted from EU Commission Directive 2012/7/EU

[#] = Reported as Soluble Chromium

^{*} = Reported as Soluble Tin

Picture of Sample as Received :



*** End of Report ***