

## Test Report

KE/2016/12777

Date : Feb 02, 2016

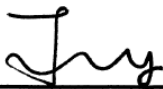
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Formosa Plastics Corporation  
No. 100, Shui-Guan Rd., Jen-Wu Dist., Kaohsiung City, Taiwan (R.O.C.)

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

Material Name : PVC Powder  
Color : White  
Style / Item No. : PR450  
Sample Submitted By : Formosa Plastics Corporation  
Sample Receiving Date : Jan 28, 2016  
Testing Period : Jan 28, 2016~Feb 02, 2016

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



**Jerry Tung / Asst. Manager**  
**Signed for and on behalf of**  
**SGS Taiwan Limited**



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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 EN 71-3:2013+A1:2014. Analysis of general elements was performed by ICP-OES. Chromium III & Chromium VI were analyzed by LC-ICP-MS. Organic Tin was analyzed by GC-MS.

Test Item	Result (mg/kg)		Reporting Limit (mg/kg)	Reference 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	18,750
Soluble Boron (B)		ND	50	15,000
Soluble Cadmium (Cd)		ND	5	17
Soluble Chromium (III) (Cr (III))		ND	5	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 Zinc (Zn)		ND	50	46,000
Soluble Tin (Sn)		ND	4.9	180,000
Soluble Organic Tin	--	ND	--	12

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)		ND	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

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### Sample Description :

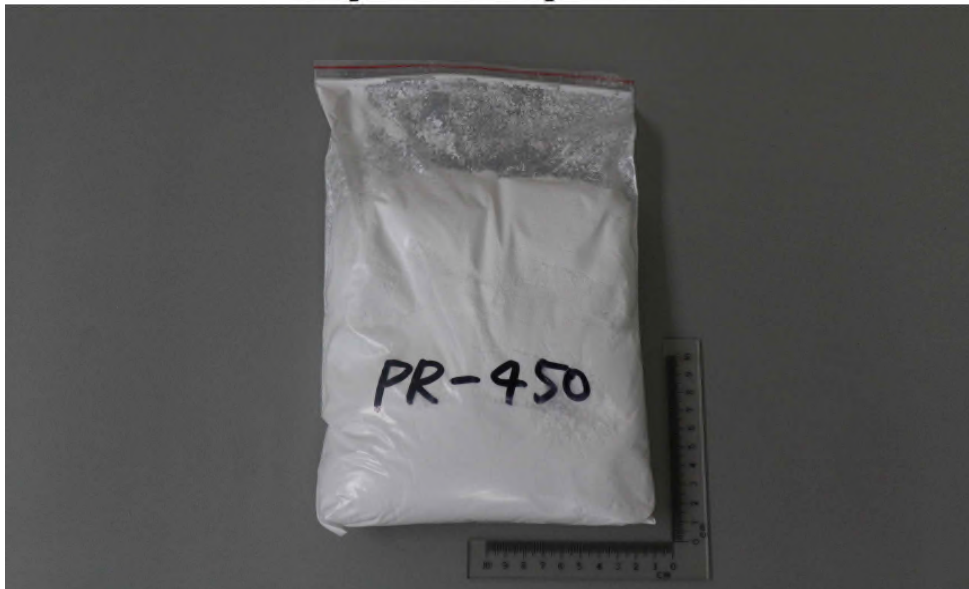
1. White PVC

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

Remark : \*\* = Test requirement in the submitted sample is not applicable. The product scope that mentioned by European Directive 2009/48/EC is for toy material.

### Sample Photo

## KE/2016/12777



SGS authenticate the photo on original report only

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

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