

## Test Report

Number: SZHH00764704

Applicant: SHENZHEN NEW DONG BO METAL PRODUCTS  
NO.7, XINFENG ROAD, NIANFENG VILLAGE,  
PINGDI TOWN, LONGGANG DISTRICT,  
SHENZHEN CITY

Date: Feb 27, 2013

Attn: LIU YUAN JUN

### Sample Description:

One (1) submitted sample said to be **SWC spring**.  
Heat No. : S172011498.  
Lot No. : 201302187A04-01.  
Factory : New Dong Bo.



### Tests conducted:

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

### Conclusion:

Tested Samples	Standard	Result
Submitted Sample	Mattel QSOP No. 0006-3600 Rev. Z clause 2.3.2.2 for heavy elements Test	Pass

This report is exclusive for Mattel program. Any other unauthorised usage of this report is strictly prohibited due to the grounds that the testing results are privileged and proprietary assets of Mattel.

Authorized by:  
For Intertek Testing Services  
Shenzhen Ltd.

Ben N.L. Lin  
General Manager



## Test Report

Number: SZHH00764704

### Tests Conducted

#### 1 Heavy Elements Analysis

As per Mattel Quality and Safety Operating Procedure No. 0006-3600 Rev. Z Clause 2.3.2.2, acid digestion and extraction methods were used and heavy elements content were determined by Inductively Coupled Argon Plasma Spectrometry.

Total Elements Content	Result (ppm)	Limit (ppm)	
		Tot.	Soluble Method 1
Tot. Barium (Ba)	<5	--	500
Tot. Lead (Pb)	<5	90	46
Tot. Cadmium (Cd)	<5	75	17
Tot. Antimony (Sb)	<5	--	60
Tot. Selenium (Se)	<5	--	300
Tot. Chromium (Cr)	173	--	60
Tot. Mercury (Hg)	<5	--	60
Tot. Arsenic (As)	22	--	25
Tot. Aluminium (Al)	<10	--	70000
Tot. Boron (B)	<10	--	15000
Tot. Cobalt (Co)	29	--	130
Tot. Copper (Cu)	531	--	7700
Tot. Manganese (Mn)	5640	--	15000
Tot. Nickel (Ni)	103	10000	930
Tot. Strontium (Sr)	<10	--	56000
Tot. Tin (Sn)	17	--	180000
Tot. Zinc (Zn)	260	--	46000

Soluble Elements Content	Result (ppm)		Limit (ppm)
	Soluble Method 1		Soluble Method 1
Sol. Chromium (Cr)	<2.5		60

ppm = parts per million

Tot. = Total

Sol. = Soluble

Tested sample: Silver balck plated metal.

Date sample received : Feb 21, 2013

Testing period : Feb 21, 2013 to Feb 26, 2013

\*\*\*\*\*

End of report

*This report is made solely on the basis of your instructions and/or information and materials supplied by you. It is not intended to be a recommendation for any particular course of action. Intertek does not accept a duty of care or any other responsibility to any person other than the Client in respect of this report and only accepts liability to the Client insofar as is expressly contained in the terms and conditions governing Intertek's provision of services to you. Intertek makes no warranties or representations either express or implied with respect to this report save as provided for in those terms and conditions. We have aimed to conduct the Review on a diligent and careful basis and we do not accept any liability to you for any loss arising out of or in connection with this report, in contract, tort, by statute or otherwise, except in the event of our gross negligence or wilful misconduct.*

