

## Test Report

Number: SZHH00764700

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

Date: Feb 26, 2013

Attn: LIU YUAN JUN

### Sample Description:

One (1) submitted sample said to be **SUS304 spring**.  
Heat No. **1203-764**.  
Lot No. : 20130215A01-01.  
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

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Authorized by:  
For Intertek Testing Services  
Shenzhen Ltd.

Ben N.L. Lin  
General Manager



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### 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)	18	--	60
Tot. Selenium (Se)	<5	--	300
Tot. Chromium (Cr)	18200	--	60
Tot. Mercury (Hg)	<5	--	60
Tot. Arsenic (As)	<5	--	25
Tot. Aluminum (Al)	26	--	70000
Tot. Boron (B)	24	--	15000
Tot. Cobalt (Co)	1060	--	130
Tot. Copper (Cu)	1130	--	7700
Tot. Manganese (Mn)	13600	--	15000
Tot. Nickel (Ni)	80100 $\Delta$	10000	930
Tot. Strontium (Sr)	<10	--	56000
Tot. Tin (Sn)	20	--	180000
Tot. Zinc (Zn)	272	--	46000

Soluble Elements Content	Result (ppm)		Limit (ppm)
	Soluble Method 1		Soluble Method 1
Sol. Chromium (Cr)	<2.5		60
Sol. Cobalt (Co)	<2.5		130
Sol. Nickel (Ni)	<2.5		930

ppm = parts per million  
Tot. = Total  
Sol. = Soluble

$\Delta$  = According to the exemptions Clause 1.2.6 of QSOP 0006-3600 Revision Z, stainless steel is exempt from the total Nickel requirement.

Tested sample : Silver color metal.

Date sample received : Feb 21, 2013

Testing period : Feb 21, 2013 to Feb 25, 2013

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End of report

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