



# TEST REPORT

## 测试报告

LAB NO. 报告号码 : (9316)362-0550  
DATE 完成日期 : Jan 03, 2017  
PAGE 页码 : 1 OF 6

**APPLICANT** : **SHENZHEN NEW DONG BO METAL PRODUCTS LIMITED**  
NO. 7, XINFENG ROAD, NIANFENG VILLAGE, PINGDI TOWN,  
LONGGANG DISTRICT, SHENZHEN CITY  
申请人公司名称 深圳市新东宝五金制品有限公司  
深圳龙岗坪地年丰村新丰路 7 号

**CONTACT PERSON** : 胡宗平  
联系人名称

**DATE OF SUBMISSION** : Dec 27, 2016  
样品收取日期 2016 年 12 月 27 日

**TEST PERIOD** : Dec 27, 2016 to Jan 03, 2017  
所需工作周期 2016 年 12 月 27 日至 2017 年 01 月 03 日

**NO. OF WORKING DAYS** : 5  
所需工作日

**SAMPLE DESCRIPTION** : Lot No.:20161212B02-01  
样品描述

Color: 颜色 彩色  
Style No/ Model no.: 款号 SWC+ Chromatic Colour Zn  
P.O. No.: /  
订单号  
Country of Origin: /  
来源地  
Country of Destination: /  
目的地

**MANUFACTURER** : 深圳市新东宝五金制品有限公司  
深圳龙岗坪地年丰村新丰路 7 号  
制造商

RW

**Bureau Veritas Consumer Products Services  
(Guangzhou) Co., Ltd**  
No. 183, Shinan Road, Meilin Plaza, Dongchong,  
Nansha, Guangzhou, Guangdong Province, China  
511453  
Tel: (86) 20 2290 2088 Fax: (86) 20 3490 9303  
Email: BVCPs\_pyinfo@cn.bureauveritas.com  
Website: cps.bureauveritas.com

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**SUMMARY OF TEST RESULTS**

测试结果摘要

TEST REQUESTED 测试项目	CONCLUSION 结论	REMARK 备注
Heavy Metals and Flame Retardants Content - European Parliament and Council Directive 2011/65/EU on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS)	PASS	

**SAMPLE DESCRIPTION ASSIGNED BY LABORATORY**

ITEM	ITEM DESCRIPTION
1	Iridescent metal (spring,SWC+Chromatic colour)

BUREAU VERITAS CONSUMER PRODUCTS SERVICES (GUANGZHOU) CO., LTD

NINA REN  
SENIOR MANAGER



**REMARK**

If there are questions or concerns on this report, please contact the following persons:

- a) GENERAL TEL: (86)755 83437287  
FAX: (86)755 83439100
- b) BUSINESS SZ TEL: (86)755 21534695  
FAX: (86)755 83439100  
BUSINESS GZ TEL: (86) 20 87148525  
FAX: (86) 20 87148528
- EMAIL: eechemical.sc@cn.bureauveritas.com  
WEBSITE: cps.bureauveritas.cn



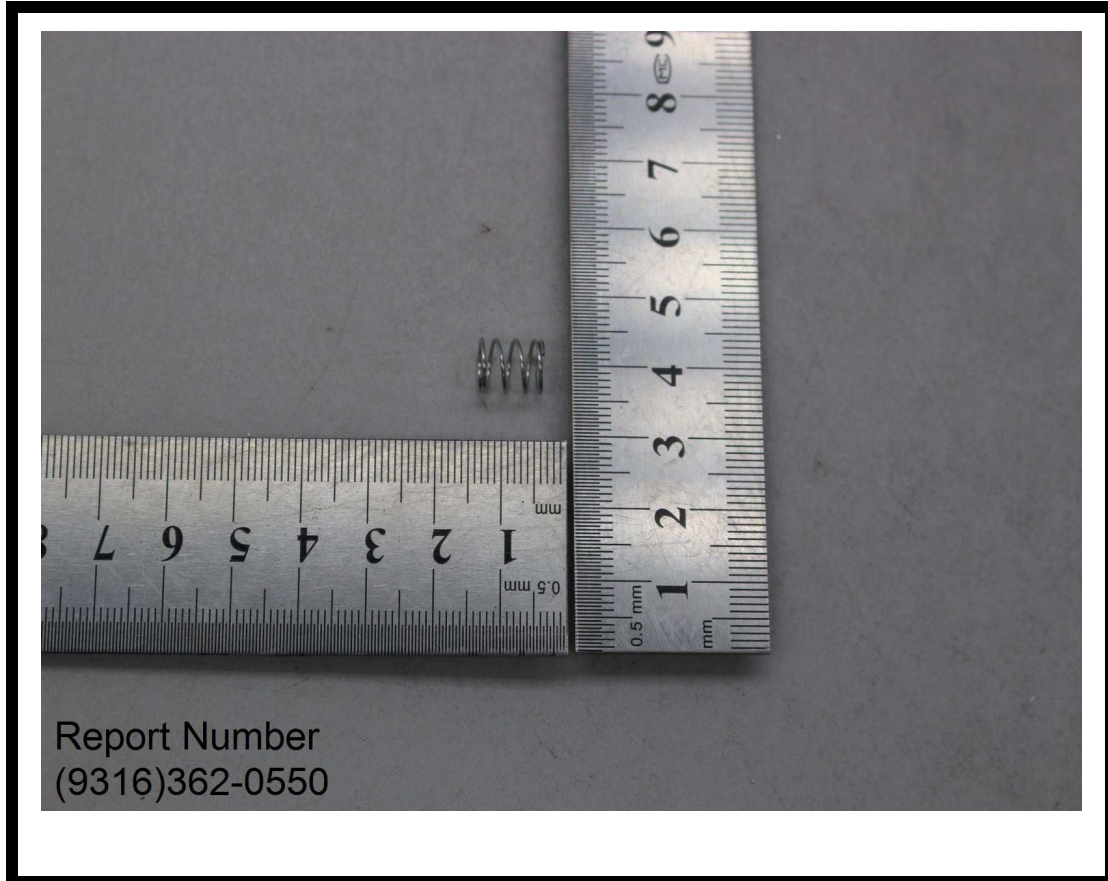
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**Photo of the Submitted Sample**

递交样品照片





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## TEST RESULT

测试结果

### Heavy Metals and Flame Retardants Content - European Parliament and Council Directive 2011/65/EU on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS)

Test Method : See Appendix.

See Analytes (Parameter) and their corresponding Maximum Allowable Limit (Req.) in Result Table	Type I	Metallic material	
	Type II	Glass or ceramic material	
	Type III	Other non-metallic material except Type II	
-	Unit	Req.	Result
Test Item(s)	-	-	I
Type	-	I	I
Parameter	-	-	-
Lead (Pb)	mg/kg	1000	ND
Cadmium (Cd)	mg/kg	100	ND
Mercury (Hg)	mg/kg	1000	ND
Chromium VI (Cr VI)	-	Negative	Negative
<b>Conclusion</b>	-	-	<b>PASS</b>

Note / Key :

ND = Not detected

NR = Not requested

% = percent

Detection Limit (mg/kg) :

For Type I - Each (Pb, Cd & Hg) : 2.0

For Type II - Each (Pb, Cd, Hg & Cr VI) : 2.0

For Type III - Metal, Polymers & Electronics - Each (Pb, Cd, Hg & Cr VI) : 2.0; Each (PBBs & PBDEs) : 50;

Others - Each (Pb, Cd & Hg) : 2.0; Cr VI : 3.0; Each (PBBs & PBDEs) : 50

">" = Greater than

Req. = Requirement

mg/kg = milligram(s) per kilogram = ppm = part(s) per million

10 000 mg/kg = 1 %

Remark :

- The list of analytes is summarized in table of Appendix.
- The test flowchart of heavy metals and flame retardants content is listed in table of Appendix.
- \*Result(s) of Cr VI for metallic material(s) was (were) expressed in term of positive and negative. Negative means the absence of Cr VI on the tested areas and the result(s) was (were) regarded as in compliance with European Council Directive 2011/65/EU, Article 4(1). While, positive means the presence of Cr VI on tested areas and the result(s) was (were) regarded as in conflict with European Council Directive 2011/65/EU, Article 4(1).
- According to European Council Directive 2011/65/EU, Article 5 "Adaptation of the Annexes to scientific and technical progress", exemption(s) should be granted to the materials and components of Test Item(s) in the lists in Annexes III and IV of this directive.

END 结束



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## APPENDIX

List of Analytes and their Corresponding Test Methods [ European Parliament and Council Directive 2011/65/EU ] :		
No.	Name of Analytes	Test Method(s)
1	Lead (Pb)	With reference to International Standard IEC 62321-5: 2013.
2	Cadmium (Cd)	
3	Mercury (Hg)	With reference to International Standard IEC 62321-4: 2013.
4	Chromium VI (Cr VI)	<u>Metal</u> : With reference to International Standard IEC 62321-7-1: 2015. <u>Polymers and Electronics</u> : With reference to European Standard EN 62321: 2009, Annex C. <u>Leather</u> : International Standard ISO 17075: 2007 <u>Other than Metal, Leather, Polymers and Electronics</u> : With reference to International Standard ISO 17075: 2007
5	Polybromobiphenyls (PBBs) - Bromobiphenyl (MonoBB) - Dibromobiphenyl (DiBB) - Tribromobiphenyl (TriBB) - Tetrabromobiphenyl (TetraBB) - Pentabromobiphenyl (PentaBB) - Hexabromobiphenyl (HexaBB) - Heptabromobiphenyl (HeptaBB) - Octabromobiphenyl (OctaBB) - Nonabromobiphenyl (NonaBB) - Decabromobiphenyl (DecaBB)	With reference to International Standard IEC 62321-6: 2015.
6	Polybromodiphenyl ethers (PBDEs) - Bromodiphenyl ether (MonoBDE) - Dibromodiphenyl ether (DiBDE) - Tribromodiphenyl ether (TriBDE) - Tetrabromodiphenyl ether (TetraBDE) - Pentabromodiphenyl ether (PentaBDE) - Hexabromodiphenyl ether (HexaBDE) - Heptabromodiphenyl ether (HeptaBDE) - Octabromodiphenyl ether (OctaBDE) - Nonabromodiphenyl ether (NonaBDE) - Decabromodiphenyl ether (DecaBDE)	
[a]	The principle of this method was evaluated and supported by two studies organized by IEC TC 111 WG3. These studies were focused on detecting the presence of Cr VI in the corrosion protection coatings on metallic samples.	



Test Flowchart of Heavy Metals and Flame Retardants Content [ European Parliament and Council Directive 2011/65/EU ] :

