

## 1.) Sample information

**Material Identification:** 9 SMnPB28K (1.0718)  
Testing Period: 24/OCT/2007 – 15/NOV/2007

## 2.) Applied analytical techniques

Sample preparation: Pulverization/Homogenization of the sample material

Lead, Cadmium: Inductively coupled plasma atomic emission spectrometry acc. EN ISO 11885 after extraction with aqua regia

Mercury: Cold vapor atomic absorption spectrometry acc. DIN EN 1483 after extraction with aqua regia

Chromium, hexavalent: Photometric determination after hot water extraction and derivatization with diphenyl carbazide based on ISO 3613

Bromine: Semi quantitative X-ray fluorescence analysis based on DIN 51001

## 3.) Analytical results

Parameter		Value	Limit according Directive 2005/618/EC	Comment
Cadmium (Cd)	mg/kg	1	100	
Lead (Pb)	mg/kg	2550 <sup>2</sup>	1000	
Mercury (Hg)	mg/kg	< 0.5	1000	
Chromium, hexavalent Cr (VI)	mg/kg	< 1	1000	Hexavalent chromium, Cr (VI)
Bromine (Br), calculated as Penta Bromo diphenyl ether	mg/kg	n.a. <sup>1</sup>	1000 each	Sum of polybrominated diphenyl ethers and sum of polybrominated biphenyls

Revision: A

<sup>1</sup> n.a. = not analysed

<sup>2</sup> Acc. directive 2002/95/EC, Appendix, Point 6 lead is exempted from the requirements of Article 4, Paragraph 1 as an alloy element in steel with lead in content up to 0.35 mass per cent.

### Compliance List:

RoHS Directive 2002/95/EC  
WEEE Directive 2002/96/EC  
ELV Directive 2000/53/EC

Based on the performed tests on the submitted sample, the results **indicate no conflict** with the above directives and its subsequent amendments.



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