



To: 威利 梁生

CMYK 印刷油墨

2.3/12

Test Report

No. 2178651/TY

Date : Jan 18 2008

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DAIHEI INDUSTRIAL (H.K.) CO., LTD.
ROOM 1503, 15/F., HONOUR INDUSTRIAL CENTRE,
6 SUN YIP STREET, CHAI WAN, HONG KONG

The following sample was submitted and identified on behalf of the client as PRINTING INK, DAICHI-X8
PROCESS, MIXTURE OF MAGENTA, YELLOW, CYAN AND BLACK.

SGS Job No. : 2587832
Buyer : MATTEL
Sample Receiving Date : DEC 22 2007
Testing Period : DEC 22 2007 - JAN 03 2008

Test Requested : With reference to RoHS Directive 2002/95/EC, and its amendment direct ves

Test Method : With reference to IEC 62321 (Ed. 1) 111/54/CDV
Procedures for the Determination of Levels of Regulated Substances in
Electrotechnical Products by Chemical Method
• Determination of Lead & Cadmium by ICP/ AAS
• Determination of Mercury by ICP/ CV-AAS
• Determination of Hexavalent Chromium by Colorimetric Method
• Determination of PBB and PBDE by GC/MS

Test Results : Please refer to next page.

Conclusion : Based on the performed tests on submitted sample, the result complies with the
RoHS Directive 2002/95/EC and its subsequent amendments.

Signed for and on behalf of
SGS Hong Kong Ltd.

Lai Ka Yan, Margaret
Assistant Operations Manager

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Test results (Unit: mg/kg) :

	<u>1</u>	<u>MDL</u>	<u>RoHS Limit</u>
Cadmium(Cd)	ND	5	100
Lead (Pb)	ND	5	1000
Mercury (Hg)	ND	5	1000
Hexavalent Chromium (CrVI) by alkaline extraction	ND	5	1000
Polybrominated Biphenyl (PBBs)	< 50	50	1000
Monobromobiphenyl	ND	5	-
Dibromobiphenyl	ND	5	-
Tribromobiphenyl	ND	5	-
Tetrabromobiphenyl	ND	5	-
Pentabromobiphenyl	ND	5	-
Hexabromobiphenyl	ND	5	-
Heptabromobiphenyl	ND	5	-
Octabromobiphenyl	ND	5	-
Nonabromobiphenyl	ND	5	-
Decabromobiphenyl	ND	5	-
Polybrominated Diphenylethers (PBDEs)*	< 45	45	1000
Monobromodiphenyl ether	ND	5	-
Dibromodiphenyl ether	ND	5	-
Tribromodiphenyl ether	ND	5	-
Tetrabromodiphenyl ether	ND	5	-
Pentabromodiphenyl ether	ND	5	-
Hexabromodiphenyl ether	ND	5	-
Heptabromodiphenyl ether	ND	5	-
Octabromodiphenyl ether	ND	5	-
Nonabromodiphenyl ether	ND	5	-
Decabromodiphenyl ether*	ND	5	-
Sum of PBDEs (Mono to Deca)*	< 50	50	-

Sample Description:

1. Black Ink

Note :

- (1) mg/kg = ppm
- (2) ND = Not Detected
- (3) MDL = Method Detection Limit
- (4) < = Less Than
- (5) * = sum of Mono to NonaBDE & according to 2005/717/EC DecaBDE is exempt.
- (6) - = Not Regulated
- (7) The maximum permissible limit is quoted from the document 2005/618/EC amending RoHS directive 2002/95/EC.

Remark: This report is to supersede test report no. 2176047/TY.

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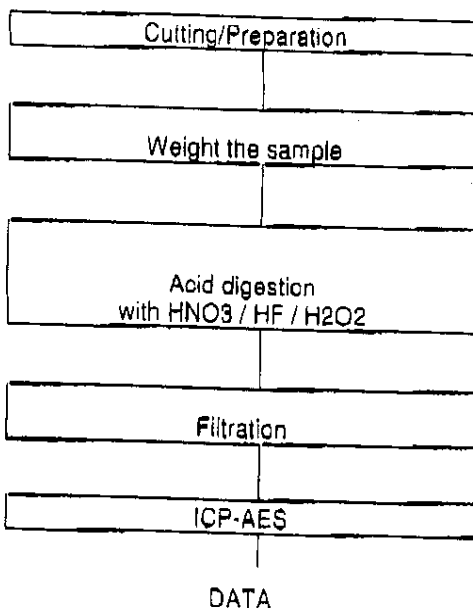
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Flow chart of Cd, Pb & Hg Analysis



End of Report

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