

NM LABORATORY SDN. BHD. (563645-P)

80, LORONG PERDA SELATAN 1, BANDAR PERDA, 14000 BUKIT MERTAJAM, PULAU PINANG, MALAYSIA. TEL: 04-5388081 (HUNTING LINE) FAX: 04-5378084 osite: www.nmlab.com.my E-mail: enquiry@nmlab.com.my Website: www.nmlab.com.my LABORATORY TESTINGS AND ANALYSIS CONSULTANCY



CERTIFICATE OF ANALYSIS

Certificate No : SP/08-07/0081

To : DIC (MALAYSIA) SDN. BHD.

2, Puncak Perusahaan Satu,

Kawasan MIEL, 13600 Prai, Pulau Pinang.

Attn : Ms Elaine

Page No : 1 of 2

Date Of Issue : 08/07/2008

SP807/ 0 0 2 3

Customer's Sample Description :

OFFSET INK MIXTURE 3

CONSIST OF 9085 CARBON BLACK, NCP 1004 SILVER, NCP PALE GOLD, 9079 TITAN WHITE, 9062 CY ANINE GREEN, 9057 BLUE, 9060 VIOLET & 9070 VIOLET

Date Of Sample Received

: 01/07/2008

Date Of Testing

: 01/07/2008 To 08/07/2008

Objective of Test

Determination of Cadmium, Lead, Mercury, Hexavalent Chromium, PBBs and PBDEs in accordance with EU Directive 2002/95/EC (RoHS).

Standard Method / Equipment / Technique Description

USEPA Method 3052 Microwave assisted acid digestion of siliceous and organically based matrices

USEPA Method 6010B Inductive Coupled Plasma-Atomic Emission Spectroscopy

USEPA Method 3060A Alkaline digestion for Hexavalent Chromium USEPA Method 7196A Hexavalent Chromium-Colorimetric by UV/Vis Spectroscopy

USEPA Method 3540C Soxhlet Extraction

GC/MS Gas Chromatography-Mass Spectrometry

Measurement flowchart (Issue upon request)

Refer to Appendix A - Measurement for Cadmium, Lead and Mercury

Appendix B - Measurement for Chromium Hexavalent

Appendix C - Measurement for PBB & PBDE

For NM LABORATORY SDN. BHD.

- Amour

JOB NO.: SP807/0023

Test performed by : Ms. Tan Hooi Cheng

Ms. Lim Sie Hui

Certified By:_

Yeap Cheo Mooi, M. Sc, AMIC Operation Manager



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Analysis Result

Type of Analysis/Parameters/ Properties measured	Analysis Results	TO A STATE OF THE PARTY OF THE	Preconditioning Method / Technique	Measurement Method / Equipment	MDL; mg/kg	RoHS Limit; mg/kg
Cadmium (as Cd)	ND	NIGHT 19	AL NAME WHAT WANT HOLE WA	L HAIL NOT NOT NOT NOT	0.5	100
Lead (as Pb)	ND	mg/kg	USEPA Method 3052	USEPA Method 6010B	1 1	AL NAL A
Mercury (as Hg)	ND	MAL MAL MAL MAL MAL MAL MAL M	NULL MAL NAL NELL NAL N	NME NME NME NME NME E NME NME NME NME NME	5	1000
Chromium Hexavalent (as Cr ⁶⁺)	ND		USEPA Method 3060A	USEPA Method 7196A	MINE (A)	

Chemical compound	Analysis Result	Unit	Preconditioning Method	Measurement Method	MDL; mg/kg	RoHS Limit; mg/kg
Monobromobiphenyl Pertabromobiphenyl Tribromobiphenyl Tetrabromobiphenyl Pentabromobiphenyl Hexabromobiphenyl Heptabromobiphenyl Octabromobiphenyl Nonabromobiphenyl Nonabromobiphenyl Decabromobiphenyl	ND N	mg/kg	USEPA Method 3540C	GC/MS	5	NML NI MIL NMIL MINE NMIL MINE NMIL MINE NMIL MINE NMIL MINE NMIL

L MALL HALL NW IL NWIL	Chemical compound	Analysis Result	Unit	Preconditioning Method	Measurement Method	MDL; mg/kg	RoHS Limit mg/kg
Polybrominated Diphenyl Ethers (PBDEs)	Monobromodiphenyl ether Dibromodiphenyl ether Tribromodiphenyl ether Tetrabromodiphenyl ether Pentabromodiphenyl ether Hexabromodiphenyl ether Heptabromodiphenyl ether Octabromodiphenyl ether Nonabromodiphenyl ether Decabromodiphenyl ether	ND N	mg/kg	USEPA Method 3540C	GC/MS	INTERNAL NAME OF THE PARTY OF T	CHINE NAME OF THE PARTY OF THE
Total	Total PBDEs Total PBDEs					NINE NIN	1000

: The test portion was "Totally Dissolved" for Cadmium, Lead & Mercury test by using pre-conditioning method as mentioned above.

Conclusion: The sample analysis results were not exceed the maximum concentration values for Cd, Pb, Hg, Cr6+, PBB and PBDE as stipulated in amendment

2005/618/EC of EU Directive 2002/95/EC (RoHS).

: All the parameters above was tested base on dry basis