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		Report Date:	February 10, 2009
		Received Date:	January 30, 2009
Attention:	Frank Stipo		

CERTIFICATE OF ANALYSIS

RE: ANALYSIS OF VARIOUS MATERIALS FOR LEAD & PHTHALATE CONTENT

1.0 INTRODUCTION

On January 30, 2009, CMTL received five (5) samples to be analyzed for lead and phthalate content.

The submitted samples were identified as follow:

- Sample # 1 – CD
- Sample # 2 – DVD
- Sample # 3 – Vinyl Sleeve
- Sample # 4 – Paper Print Material
- Sample # 5 – Board Print Material

2.0 TEST PERFORMED

1- Lead Content, in compliance with 16 CFR 1303, using an Inductively Coupled Argon Plasma (ICAP) Spectrometer as per ASTM D1976-07 (modified) to determine the presence and relative concentration of Lead (Pb).

2- Phthalate Content, as per Health Canada, Method C-34 / modified, using a Gas Chromatograph equipped with a FID Detector In accordance with U.S. Consumer Product Safety Act.

- Maximum level of 0.1% for each of the phthalates (DEHP, DBP, BBP, DINP, DnOP & DIDP)

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Per Steve Brown QUALITY ASSURANCE
Per Mariano Rodriguez TECHNICIAN



3.0 TEST RESULTS

3.1 Lead Content Analysis

The CD and DVD samples were divided into two samples (printing material and the substrate surface). All samples, (seven) were individually digested in acid (EPA 3050B) and analyzed for lead content using an Inductively Coupled Argon Plasma (ICAP) Spectrometer as per ASTM D1976-07 (modified).

Sample	Lead (Pb) (ppm)	Compliant 16 C.F.R. 1303 (600 ppm max.) (Yes / No)
Printing on CD	31.2	Yes
CD Substrate	1.3	Yes
Printing on DVD	37.8	Yes
DVD substrate	3.0	Yes
Vinyl Sleeve	2.0	Yes
Paper Print Material	96.6	Yes
Board Print Material	2.0	Yes



3.2 Phthalate Content Analysis

The submitted samples were extracted with Hexane solvent and then analyzed as per Health Canada, Method C-34 / modified, using a Gas Chromatograph equipped with a FID Detector In accordance with U.S. Consumer Product Safety Act. The results are illustrated in the following tables:

SAMPLE # 1 – CD (Both Substrate and printing)				
PARAMETER		RESULT (% w/w)	REPORTING LIMIT (%w/w)	METHOD
di-(2-ethylhexyl) phthalate	(DEHP)	Not Detected	<0.1	C-34 (modified)
dibutyl phthalate	(DBP)	Not Detected	<0.1	C-34 (modified)
benzyl butyl phthalate	(BBP)	Not Detected	<0.1	C-34 (modified)
diisononyl phthalate	(DINP)	Not Detected	<0.1	C-34 (modified)
diisodecyl phthalate	(DIDP)	Not Detected	<0.1	C-34 (modified)
di-n-octyl phthalate	(DnOP)	Not Detected	<0.1	C-34 (modified)
U.S. Consumer Product Safety Act Specification			0.1 max	The sample complies with the Specification



Sample # 2– DVD (Both Substrate and printing)				
PARAMETER		RESULT (% w/w)	REPORTING LIMIT (%w/w)	METHOD
di-(2-ethylhexyl) phthalate	(DEHP)	Not Detected	<0.1	C-34 (modified)
dibutyl phthalate	(DBP)	Not Detected	<0.1	C-34 (modified)
benzyl butyl phthalate	(BBP)	Not Detected	<0.1	C-34 (modified)
diisononyl phthalate	(DINP)	Not Detected	<0.1	C-34 (modified)
diisodecyl phthalate	(DIDP)	Not Detected	<0.1	C-34 (modified)
di-n-octyl phthalate	(DnOP)	Not Detected	<0.1	C-34 (modified)
U.S. Consumer Product Safety Act Specification			0.1 max.	The sample complies with the Specification



Sample #3 – VINYL SLEEVE				
PARAMETER		RESULT (% w/w)	REPORTING LIMIT (%w/w)	METHOD
di-(2-ethylhexyl) phthalate	(DEHP)	Not Detected	<0.1	C-34 (modified)
dibutyl phthalate	(DBP)	Not Detected	<0.1	C-34 (modified)
benzyl butyl phthalate	(BBP)	Not Detected	<0.1	C-34 (modified)
diisononyl phthalate	(DINP)	>1.0	<0.1	C-34 (modified)
diisodecyl phthalate	(DIDP)	Not Detected	<0.1	C-34 (modified)
di-n-octyl phthalate	(DnOP)	Not Detected	<0.1	C-34 (modified)
U.S. Consumer Product Safety Act Specification			0.1 max.	The sample DOES NOT COMPLY with the Specification



Sample #4 – PAPER PRINT MATERIAL				
PARAMETER		RESULT (% w/w)	REPORTING LIMIT (%w/w)	METHOD
di-(2-ethylhexyl) phthalate	(DEHP)	Not Detected	<0.1	C-34 (modified)
dibutyl phthalate	(DBP)	Not Detected	<0.1	C-34 (modified)
benzyl butyl phthalate	(BBP)	Not Detected	<0.1	C-34 (modified)
diisononyl phthalate	(DINP)	Not Detected	<0.1	C-34 (modified)
diisodecyl phthalate	(DIDP)	Not Detected	<0.1	C-34 (modified)
di-n-octyl phthalate	(DnOP)	Not Detected	<0.1	C-34 (modified)
U.S. Consumer Product Safety Act Specification			0.1 max.	The sample complies with the Specification



Sample #5 – BOARD PRINT MATERIAL				
PARAMETER		RESULT (% w/w)	REPORTING LIMIT (%w/w)	METHOD
di-(2-ethylhexyl) phthalate	(DEHP)	Not Detected	<0.1	C-34 (modified)
dibutyl phthalate	(DBP)	Not Detected	<0.1	C-34 (modified)
benzyl butyl phthalate	(BBP)	Not Detected	<0.1	C-34 (modified)
diisononyl phthalate	(DINP)	Not Detected	<0.1	C-34 (modified)
diisodecyl phthalate	(DIDP)	Not Detected	<0.1	C-34 (modified)
di-n-octyl phthalate	(DnOP)	Not Detected	<0.1	C-34 (modified)
U.S. Consumer Product Safety Act Specification			0.1 max.	The sample complies with the Specification