



STC Test Report

Date : 2010-05-31
No. : DC120310

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Applicant(Code:BOY001) : Birdcage Press

Description of Sample(s) : One set(s) of submitted sample(s) said to be:
1. Go fish for Ancient Egypt –Book and card set
2. Wild cards: Dinosaurs-Book and card set
Publisher: Birdcage Press
Country of Destination: USA
P.O/Ref: No.: PC10006

Date Sample(s) Received : 2010-05-21

Date Tested : 2010-05-25 to 2010-05-26

Investigation Requested : Please refer to next page

Conclusion(s) : Please refer to next page

Remark(s) : This test report DC120310 supersedes our previous test report DC11953 issued on 2010-05-27 which is hereby deemed null and void.



Chen Shan, Sunny
Authorized Signatory
Chemical and Food Department
For and on behalf of
STC (Dongguan) Company Ltd.

STC (Dongguan) Company Limited

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- Investigation Requested** : (1) The test requirement of the USA Consumer Product Safety Improvement Act (HR4040), Total Lead content in paints and similar surface coatings, Sec 101 (f) and 16 CFR 1303
- (2) The test requirement of USA Consumer Product Safety Improvement Act (HR4040), Total Lead content in children's products, Sec 101(a)
- (3) The phthalates content requirements of CPSIA Section 108 Prohibition On Sale of Certain Products Containing Specified Phthalates
- (4) ASTM F963-08, Section 4.3.5.1
- (5) ASTM F963-08, Section 4.3.5.2

- Conclusion(s)** : (1) The submitted sample(s) **complied** with the USA Consumer Product Safety Improvement Act (HR4040), Total Lead content in paints and similar surface coatings, Sec 101 (f) and 16 CFR 1303.
- (2) The submitted sample(s) **complied** with the test requirement of the USA Consumer Product Safety Improvement Act (HR4040), Total Lead content in children's products, Sec 101(a).
- (3) The submitted sample(s) **complied** with the test requirements of the USA Consumer Product Safety Improvement Act (HR4040), Section 108 Prohibition On Sale of Certain Products Containing Specified Phthalates.
- (4) The submitted sample(s) **complied** with the total lead content requirement of ASTM F963-08, "Standard consumer safety specification on toy safety", Section 4.3.5.1.
- (5) The submitted sample(s) **complied** with the soluble heavy metals content requirements of ASTM F963-08, "Standard consumer safety specification on toy safety", Section 4.3.5.2.

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RESULT(S):

- (1) TOTAL LEAD CONTENT IN PAINTS AND SIMILAR SURFACE COATINGS
Method Used: CPSC testing method CPSC-CH-E1003-09 , analyzed by Inductively Coupled Argon Plasma Spectrophotometer

Sample Identity	Colour / Component	Result	Limit	Conclusion
(A)	Book: multicolour printing	4ppm	90ppm	Pass

Note(s): Method detection limit=2ppm
ppm denotes parts per million which is also equivalent to milligram per kilogram

Remark(s): Limit is quoted from USA Consumer Product Safety Improvement Act (HR4040), Total Lead content in paints and similar surface coatings, Sec 101 (f)
In some cases, the tested component cannot be tested individually due to overlapped coatings.

- (2) TOTAL LEAD CONTENT IN SUBSTRATE MATERIALS
Method Used: CPSC testing method CPSC-CH-E1001-08 for metal materials and CPSC-CH-E1002-08 for non-metal materials, analyzed by Inductively Coupled Argon Plasma Spectrophotometer

Sample Identity	Colour / Component	Result	Limit	Conclusion
(B)	Book: paper	ND	300ppm	Pass

Note(s): ND denotes Not detected
Method detection limit=2ppm
ppm denotes parts per million which is also equivalent to milligram per kilogram

Remark(s): Limit is quoted from USA Consumer Product Safety Improvement Act (HR4040), Total Lead content in children's products, Sec 101(a)

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RESULT(S):

- (3) TOTAL PHTHALATES CONTENT IN CHILDREN'S TOYS AND CHILDCARE ARTICLES
Method Used: CPSC testing method CPSC-CH-C1001-09.1 & CPSC-CH-C1001-09.2 , analyzed by Gas Chromatography with Mass Selective Detector

Sample Identity	Colour / Component
(A)	Book: multicolour printing

Test Parameter	BBP	DBP	DEHP	DnOP	DINP	DIDP	
CAS No.	85-68-7	84-74-2	117-81-7	117-84-0	28553-12-0/ 68515-48-0	26761-40-0/ 68515-49-1	
Limit	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	
Sample Identity	Result						Conclusion
(A)	ND	ND	ND	ND	ND	ND	Pass

Note(s): Results reported in percentage(w/w)
 ND denotes not detected
 Method Detection Limit:
 BBP = Butyl benzyl phthalate (0.005%)
 DBP = Dibutyl phthalate (0.005%)
 DEHP =Di (2-ethylhexyl) phthalate (0.005%)
 DNOP =Di-n-octyl phthalate (0.005%)
 DINP =Di-iso-nonyl phthalate (0.01%)
 DIDP =Di-iso-decyl phthalate (0.01%)

Remark(s): Limit is quoted from CPSIA Section 108 Prohibition On Sale of Certain Products Containing Specified Phthalates

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RESULT(S):

(4) TOTAL LEAD CONTENT IN PAINTS AND SIMILAR SURFACE COATINGS

Method Used: CPSC testing method CPSC-CH-E1002-08 , analyzed by Inductively Coupled Argon Plasma Spectrophotometer

Sample Identity	Colour / Component	Result (ppm)	Limit	Conclusion
(A)	Book: multicolour printing	4ppm	90ppm	Pass

Note(s): Method detection limit=2ppm
ppm denotes parts per million which is also equivalent to milligram per kilogram

Remark(s): Limit is quoted from ASTM F 963 Section 4.3.5.1
In some cases, the tested component cannot be tested individually due to overlapped coatings.

(5) SOLUBLE HEAVY METALS CONTENT IN PAINTS AND SIMILAR SURFACE COATINGS

Method Used: ASTM F963-08 Section 8.3 and analyzed by Inductively Coupled Argon Plasma Spectrophotometer

Sample Identity	Colour / Component
(A)	Book: multicolour printing

Element	Pb	Cd	Cr	Ba	Sb	As	Hg	Se	Conclusion
Limit(mg/kg)	90	75	60	1000	60	25	60	500	
Sample Identity	Result (mg/kg)								Conclusion
(A)	ND	ND	ND	ND	ND	ND	ND	ND	Pass

Note(s): mg/kg denotes milligrams per kilogram
As = Arsenic, Ba = Barium, Cd =Cadmium, Sb = Antimony, Se = Selenium
Cr = Chromium, Hg = Mercury, Pb = Lead
ND= Not detected
Method detection limit=2mg/kg

Remark(s): Limit is quoted from ASTM F963-08 Section 4.3.5.2

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PHOTO(S):



***** END OF TEST REPORT *****

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