

Test Report

No.: DPI100700693

Date: Jul 21,2010

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Applicant. : SUPER DUPER PUBLICATIONS
5201 PELHAM ROAD GREENVILLE SC 29615 UNITED STATES
864-284 4513

Application No. : DIR065908

Sample Description : 8 sets submitted samples stated to be:

Item Name : Say & Do Phonology Games

Item No. : BGM-18710

SKU No. : GB56

Age Label : 4+

Test Age : 4+

Buyer : S090 - SUPER DUPER PUBLICATIONS

Country of Destination : America


Sample Received Date : Jul 19.2010

Test Period : Jul 19.2010 to Jul 21.2010

Detail of the Sample : The product includes 16 game boards (8 laminated boards 11" x 17" printed front and back), pawns, die, and instruction booklet. The product is packed in a transparent plastic bag

*****For Further Details, Please Refer to the Following Page(s)*****

SIGN FOR AND ON BEHALF OF
DPI LABORATORY



FANNY LAU
LABORATORY MANAGER

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TEST REQUEST	RESULT
A) PHYSICAL AND MECHANICAL TEST, ASTM F963-08 -PRODUCT SET	PASS
B) FLAMMABILITY TEST OF MATERIALS-PRODUCT SET	PASS
C) U.S. CODE OF FEDERAL REGULATIONS TITLE 16 CFR 1303 AND U.S. CONSUMER PRODUCT SAFETY IMPROVEMENT ACT 2008(H.R.4040), TITLE1, SECTION 101 FOR TOTAL LEAD CONTENT IN SURFACE COATING.	PASS
D) U.S.CONSUMER PRODUCT SAFETY IMPROVEMENT ACT 2008(H.R.4040), TITLE1 SECTION 101 FOR TOTAL LEAD CONTENT IN SUBSTRATE	PASS
E) TO DETERMINE TOTAL LEAD AND SOLUBLE ELEMENT CONTENTS IN THE SUBMITTED SAMPLE (S) IN ACCORDANCE WITH THE AMERICAN SOCIETY FOR TESTING AND MATERIALS-ASTM F963-08	PASS
F) TO DETERMINE LEAD, CADMIUM, MERCURY AND HEXAVALENT CHROMIUM CONTENT IN THE SUBMITTED SAMPLE IN ACCORDANCE WITH US MODEL TOXICS IN PACKAGING LEGISLATION (TPCH: TOXICS IN PACKAGING CLEARING HOUSE) (FORMERLY DRAFTED BY CONEG)	PASS
G) DETERMINATION OF PHTHALATE CONTENTS IN THE SUBMITTED SAMPLES IN ACCORDANCE WITH US PUBLIC LAW 110-314 (CONSUMER PRODUCT SAFETY IMPROVEMENT ACT 2008)	PASS

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A, B) AS SPECIFIED IN ASTM F963-08 STANDARD CONSUMER SAFETY SPECIFICATION ON TOYS SAFETY

APPLICANT'S SPECIFIED AGE GROUP FOR TESTING: AGES OVER 4 YEARS.

THE SUBMITTED SAMPLES WERE UNDERGONE THE USE AND ABUSE TESTS IN ACCORDANCE WITH THE FEDERAL HAZARDOUS SUBSTANCES ACT (FHSA), TITLE 16, CODE OF FEDERAL REGULATIONS:		
TEST	FHSA	PARAMETER
IMPACT	SECTION 1500.53(b)	4 DROPS×3.0 FT
TORQUE	SECTION 1500.53(e)	4 IN-LBF, 10 SEC
TENSION	SECTION 1500.53(f)	15 LBF, 10 SEC
COMPRESSION	SECTION 1500.53(g)	30 LBF, 10 SEC

<u>CLAUSE</u>	<u>DESCRIPTION</u>	<u>RESULT</u>
4.1	MATERIAL QUALITY	<u>P</u>
4.2	FLAMMABILITY	<u>P (See Note)</u>
4.6	SMALL OBJECTS	<u>P</u>
4.6.3	LABELING REQUIREMENTS (TOYS AND GAMES FOR 36 MONTHS TO 72 MONTHS)	<u>P</u>
4.7	ACCESSIBLE EDGES	<u>P</u>
4.9	ACCESSIBLE POINTS	<u>P</u>
5.	SAFETY LABELING REQUIREMENTS	<u>P</u>
6.	INSTRUCTIONAL LITERATURE	<u>P</u>
7.	PRODUCER'S MARKINGS	<u>P</u>

REMARK: P = PASS

N.B.: ONLY APPLICABLE CLAUSES WERE SHOWN.

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NOTE:

AS PER SECTION 4.2 OF THE ASTM STANDARD CONSUMER SAFETY SPECIFICATION ON TOY SAFETY F963-08

FLAMMABILITY TEST ON SOLID (CLAUSE 4.2)

SAMPLE	BURNING RATE (INCH/SEC.)	LIMIT (INCH/SEC.)
PVC BAG	DID NOT IGNITE	0.1

THE SUBMITTED TOY SAMPLE AND ITS ACCESSORIES WERE TESTED, THE ABOVE RESULT ONLY SHOWED THE MOST SEVERE BURN RATE OF THE SAMPLES.

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C) TOTAL LEAD (Pb) CONTENT IN SURFACE COATING

METHOD: ASTM E1645-01 (REAPPROVED 2007) PREPARATION OF DRIED PAINT SAMPLE BY HOTPLATE OR MICROWARE DIGESTION FOR SUBSEQUENT LEAD ANALYSIS. TOTAL LEAD CONTENT WAS DETERMINED BY ATOMIC ABSORPTION SPECTROPHOTOMETRY (AAS).

TESTED COMPONENT	RESULTS IN PPM (LIMIT 90PPM)
(1)	8.0
(2)	<2

TESTED COMPONENTS:

1. MULTI-COLOR COATING ON PAPER
2. BLACK COATING ON FOAM (EVA DICE)

- NOTE:
1. < = LESS THAN
 2. PPM=MG/KG
 3. RESULT OF SPECIMEN OF NO. 2 IS COPIED FROM REPORT NO. DPI100700583 DATED JUL 17, 2010.
 4. THE SAMPLE IS TESTED IN ACCORDANCE WITH THE CLIENT REQUIREMENT.

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D) Total Lead (Pb) Content in Non-Surface Coating Material

Method: CPSC-CH-E1002-08 (Non-Metallic Materials) 'Standard Operation Procedure for Determining Total Lead (Pb) in Non-Metal Children Product'. Total Lead Content was determined by Atomic Absorption Spectrophotometry (AAS).

Test item	No.1	No.2	No.3	No.4	No.5	No.6	No.7	Limit (ppm)
Lead (Pb)	8.2	8.1	7.8	8.8	4.3	4.3	6.6	300

Test Parts Description

- No.1: Red foam excluded coating (EVA dice)
- No.2: Black plastic (game pawn)
- No.3: Yellow plastic (game pawn)
- No.4: Green plastic (game pawn)
- No.5: Red plastic (game pawn)
- No.6: Blue plastic (game pawn)
- No.7: White plastic (game pawn)

Requirements:

0.01%(100 ppm) After Aug 14, 2011

- Note :
- 1. < = Less than
 - 2. – ppm=mg/kg
 - 3.The MDL of total Pb = 2ppm
 - 4. The sample is tested in accordance with the client requirement.

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E). ASTM F963-08 – Heavy Metal Analysis

Total Lead Content (Clause 4.3.5.1)-Sample was digested in concentrated nitric acid.

Soluble Element Contents (Clause 4.3.5.2)-Samples was extracted by dilute hydrochloric acid in accordance with ASTM F963-08 (Clause 8.3). Analysis was performed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES).

Element	No.1	No.2	Limit (ppm)
Total Lead (Pb)	8.0	<2	90
Soluble Antimony (Sb)	<2	<2	60
Soluble Arsenic (As)	<2	<2	25
Soluble Barium (Ba)	<5	<5	1000
Soluble Cadmium (Cd)	<5	<5	75
Soluble Chromium (Cr)	<5	<5	60
Soluble Lead (Pb)	<5	<5	90
Soluble Mercury (Hg)	<2	<2	60
Soluble Selenium (Se)	<5	<5	500

Test Part Description

No.1: Multi-color coating on paper

No.2: Black coating on foam (EVA DICE)

Note : 1. < = less than

2. mg/kg = ppm

3. Results of soluble elements shown are of the adjusted analytical results.

4. Result of specimen of No. 2 is copied from report No. DPI100700583 dated Jul 17, 2010

5. The sample is tested in accordance with the client requirement.

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F). US Model Toxics in Packaging Legislation (TPCH: Toxics in Packaging Clearing House) (formerly drafted by CONEG).

Wet acid digestion and EPA3060. Analysis was performed by Inductively Coupled Plasma Optima Emission Spectrometer and UV-VIS Spectrophotometer.

Test Item	No.1	Limit (ppm)
Cadmium (Cd)	<2	---
Hexavalent Chromium (Cr (VI))	<2	---
Lead (Pb)	<2	---
Mercury (Hg)	<2	---
Total (Pb+Cd+Hg+Cr (VI))	<8	100

Test Part Description

No.1: Transparent polybag (package of game pawn)

Note : 1. < = less than

2. mg/kg = ppm

3. "-" = Not regulated

4. The sample is tested in accordance with the client requirement.

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G). PHTHALATE CONTENT TEST

With reference to ASTM Method Designation D3421-75.

Analysis was performed by Gas Chromatography / Mass Spectrometry.

Toys and childcare articles test result (% , w/w):

Test item	No.1	No.2	No.3	No.4	No.5	Permissible Limit (%, w/w)
Dibutyl Phthalate (DBP) Content	N.D	N.D	N.D	N.D	N.D	0.1%
Benzylbutyl Phthalate (BBP) Content	N.D	N.D	N.D	N.D	N.D	0.1%
Di-(2-ethylhexyl)Phthalate(DEHP)Content	N.D	N.D	N.D	N.D	N.D	0.1%

Test item	No.6	No.7	No.8	No.9	Permissible Limit (%, w/w)
Dibutyl Phthalate (DBP) Content	N.D	N.D	N.D	N.D	0.1%
Benzylbutyl Phthalate (BBP) Content	N.D	N.D	N.D	N.D	0.1%
Di-(2-ethylhexyl)Phthalate(DEHP)Content	N.D	N.D	N.D	N.D	0.1%

Toys that can be placed in the mouth and childcare articles test result (% , w/w):

Test item	No.1	No.2	No.3	No.4	No.5	Permissible Limit (%, w/w)
Diisononyl Phthalate (DINP) Content	N.D	N.D	N.D	N.D	N.D	0.1%
Di-n-octyl Phthalate (DNOP) Content	N.D	N.D	N.D	N.D	N.D	0.1%
Diisodecyl Phthalate (DIDP) Content	N.D	N.D	N.D	N.D	N.D	0.1%

Test item	No.6	No.7	No.8	No.9	Permissible Limit (%, w/w)
Diisononyl Phthalate (DINP) Content	N.D	N.D	N.D	N.D	0.1%
Di-n-octyl Phthalate (DNOP) Content	N.D	N.D	N.D	N.D	0.1%
Diisodecyl Phthalate (DIDP) Content	N.D	N.D	N.D	N.D	0.1%

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- No.3: Yellow plastic (game pawn)
- No.4: Green plastic (game pawn)
- No.5: Red plastic (game pawn)
- No.6: Blue plastic (game pawn)
- No.7: White plastic (game pawn)
- No.8: Multi-color coating on paper
- No.9: Black coating on foam

REMARK: THE ABOVE LIMIT WAS QUOTED ACCORDING TO US CONSUMER PRODUCT SAFETY IMPROVEMENT ACT 2008 (H.R.4040) FOR PROHIBITION ON SALE OF CERTAIN PRODUCTS CONTAINING SPECIFIED PHTHALATES.

Note : 1. 0.1% = 1000ppm

2. N.D. = Not detected

3. Method Detection Limit for each DBP, BBP, DEHP, DINP, DIDP and DNOP =0.01%

4. Result of specimen of No. 9 is copied from report No. DPI100700583 dated Jul 17, 2010

5. The sample is tested in accordance with the client requirement.

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Sample Photo:



DPI authenticate the photo on original report only

*** End of Report ***

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