

Test Report

No. 2166238/TY

Date : Oct 24 2007

Page 1 of 4

POINTEAST LIMITED
UNIT 1001-3, 10/F., LU PLAZA,
NO. 2, WING YIP STREET,
KWN TONG, KOWLOONG, H.K.

The following samples were submitted and identified on behalf of the client as:
TWISTED FISH "CARD GAME

Detail of Sample : PLAY SET CONTAINS A PLASTIC SQUEEZE DUCK AND PAPER CARDS,
COMES WITH AN INSTRUCTION SHEET. SHRINK FILM & PRINTED BOX
PACKED.

Style/Item No. : TF1000
Country of Origin : CHINA
Labeled Age Grading : AGES 6 AND UP
Age Group Applied in Testing : ALL AGES FOR DUCK
AGES 6 AND UP FOR OTHERS
Sample Receiving Date : OCT 11, 2007
Testing Period : OCT 11, 2007 TO OCT 22, 2007

TESTING REQUESTED :

For compliance with the Physical & Mechanical, Flammability, Total Lead & Heavy Metal test requirements of ASTM F963-07 Standard Consumer Safety Specification on Toy Safety.


RESULTS :

Details please refer to next page.

CONCLUSION :

The submitted sample comply with the requested test requirements.

Signed for and on behalf of
SGS Hong Kong Ltd



Lui Tat Wah, Wallace
Senior Laboratory Manager

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Page 2 of 4

Results :

ASTM F963 – 07

AS SPECIFIED IN ASTM F963-07 STANDARD CONSUMER SAFETY SPECIFICATION ON TOYS SAFETY

Clause Relevant to Sample.

<u>Clause</u>	<u>Description</u>	<u>Result</u>
4.0	<u>Safety Requirements</u>	
4.1	Material Quality **	<u>Pass</u>
4.2	Flammability Test	<u>Pass (See Note 1)</u>
4.3.5	Paint & Similar Surface-coating Material (As per client's request, composite sample are analyzed.)	<u>Pass (See Note 2)</u>
4.6.1	Small Objects	<u>Pass</u>
4.7	Accessible Edges	<u>Pass</u>
4.9	Accessible Points	<u>Pass</u>
4.24	Squeeze Toys (For duck)	<u>Pass</u>
5.0	<u>Safety Labelling Requirements</u>	
5.2	Age Grading Labeling	<u>Pass</u>
7.0	<u>Producers Markings</u>	
7.1	Producers Markings	<u>Pass</u>
8.0	<u>Test Methods</u>	
8.5	Normal Use Testing	<u>Pass</u>
8.7	Impact Test	<u>Pass</u>
8.8	Torque Test	<u>Pass</u>
8.9	Tension Test	<u>Pass</u>

** Visual Examination

Note 1 :

Flammability Test (Clause 4.2)

Flammability Test on Solid

<u>Sample</u>	<u>Burning Rate (inch/sec)</u>
TWISTED FISH "CARD GAME	DNI

Requirement : A toy / component is considered a "flammable solid" if it ignites and burns with a self-sustaining flame at a rate greater than 0.10 in/sec along its major axis.

DNI = Did Not Ignite

Note 2 :

Paint & Similar Surface-coating Material (Clause 4.3.5.)

ASTM F963-07 – Heavy Metals Analysis : Total Lead (Clause 4.3.5.1)

TOTAL LEAD CONTENT – SAMPLES WERE DIGESTED IN NITRIC ACID (1+1) AND CONCENTRATED HYDROCHLORIC ACID BY MICROWAVE DIGESTION SYSTEM. ANALYSIS WAS PERFORMED BY ATOMIC ABSORPTION OR INDUCTIVELY COUPLED ARGON PLASMA SPECTROMETRY.

<u>Element</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>Limit</u>
Total Lead (Pb)	< 20	< 20	< 20	< 20	600 mg/kg

(Results shown are of the total weight of dry sample)

1. Orange Wet Paint
2. Red Wet Paint
3. Black Wet Paint
4. White Wet Paint

< = Less than

ASTM F963-07 – Heavy Metals Analysis : Soluble Heavy Metal (Clause 4.3.5.2)

SOLUBLE HEAVY METALS CONTENTS – SAMPLES WERE EXTRACTED BY DILUTE HYDROCHLORIC ACID IN ACCORDANCE WITH ASTM F963-07 (CLAUSE 8.3). ANALYSIS WAS PERFORMED BY ATOMIC ABSORPTION OR INDUCTIVELY COUPLED ARGON PLASMA SPECTROMETRY.

<u>Element</u>	<u>Orange Coating (Mouth)</u>	<u>Limit</u>
Soluble Lead (Pb)	< 5	90 mg/kg
Soluble Antimony (Sb)	< 5	60 mg/kg
Soluble Arsenic (As)	< 5	25 mg/kg
Soluble Barium (Ba)	< 10	1000 mg/kg
Soluble Cadmium (Cd)	< 5	75 mg/kg
Soluble Chromium (Cr)	< 5	60 mg/kg
Soluble Mercury (Hg)	< 6.7	60 mg/kg
Soluble Selenium (Se)	< 10	500 mg/kg

Mass of trace amount of sample = 17.4mg

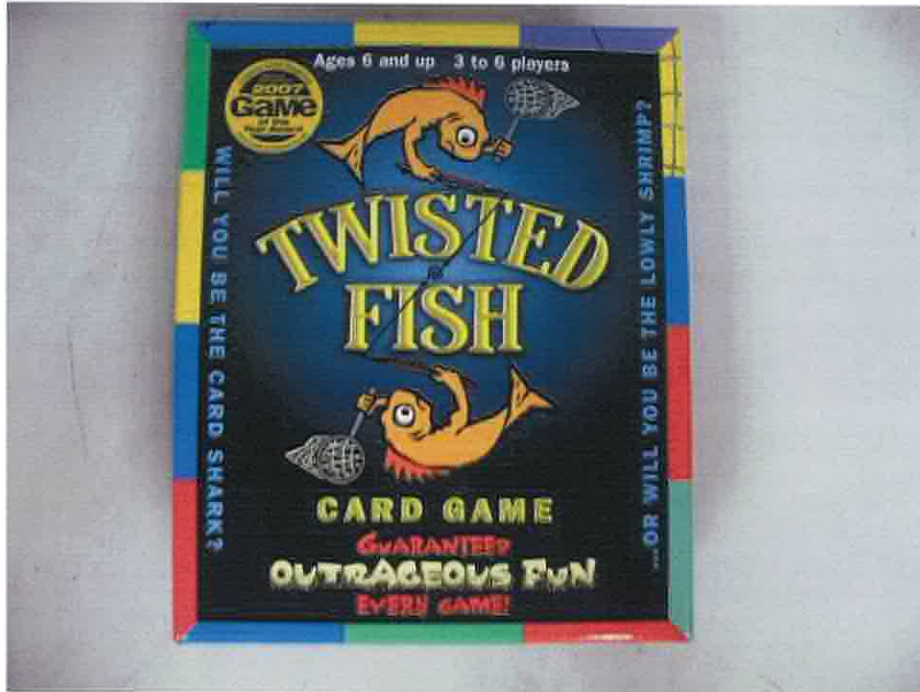
Remark : Insufficient test portion of the following components was present on the received samples(s), therefore such components were not tested for soluble heavy metal, as specified in the ASTM F963-07 clause 8.3.3 – Preparation of test samples.

<u>Description</u>	<u>Mass (mg)</u>
1. Red Coating (Tongue)	< 10
2. Black & White Coating (Eyes)	< 10

Note : - < = Less than
 - Results of soluble elements shown are of the adjusted analytical result.

N.B. : - Only applicable clauses were shown.

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