

Test Report

No.: SZTYR060100605/TS

Date: FEB 07, 2006

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LOVABLE PRODUCTS (HK) LTD.
ROOM 1901, 19/F, WESTLANDS
CENTER, 20 WESTLANDS ROAD,
QUARRY BAY, HONGKONG

Report on 4 submitted samples of Toy for said item, the details as below :

Sample Description : 60459 PLASTOY FIG LE DRAGON

Detail of Sample : PLASTIC DRAGON.

Item No. : 60459

Buyer : PIXI

Supplier / Manufacturer : LOVABLE

Country of Origin : CHINA

Country of Destination : USA

Labeled Age Grading : 3+

Age Group Applied in Testing : OVER 3 YEARS OLD

Sample Receiving Date : JAN 24, 2006

Testing Period : JAN 24, 2006 TO FEB 07, 2006

Test Requested:

For compliance with the ASTM F963-03, Standard Consumer Safety Specification on Toy Safety:

- Physical & Mechanical Requirement
- Flammability Requirement
- Heavy Metal Requirement

Result

Pass

Pass

Pass

Signed for and on behalf of
SGS-CSTC Ltd.


Zhang Wei, Merry
Supervisor

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ASTM F963 - 03

AS SPECIFIED IN ASTM F963-03 STANDARD CONSUMER SAFETY SPECIFICATION ON TOYS SAFETY.

<u>Clause</u>	<u>Description</u>	<u>Result</u>
4.	<u>Safety Requirements</u>	
4.1	Material Quality **.....	<u>Pass</u>
4.2	Flammability Test.....	<u>Pass</u> <u>(See Note 1)</u>
4.3	Toxicology	
4.3.5	Paint & Similar Surface-coating Material.....	<u>Pass</u> <u>(See Note 2)</u>
4.7	Accessible Edges.....	<u>Pass</u>
4.9	Accessible Points.....	<u>Pass</u>
7.	<u>Producers Markings</u>	
7.1	Producers Markings.....	<u>Pass</u>
8.	<u>Test Method</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

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SGS-CSI (Shanghai) Technical Services Co., Ltd.

4/F, Oastar Building, Zhongkang Road, Shangmeilin, Shenzhen, China

t (86-755)83114358

f (86-755)83106190

SZL 436937
www.cn.sgs.com
e sgs.china@sgs.com

Member of the SGS Group (SGS SA)

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Note 1 :

Flammability Test (Clause 4.2)
Flammability Test on Solid

Sample	Burning Rate (inch/sec)	Limit (inch/sec)
60459 PLASTOY FIG LE DRAGON	DNI	0.1

- DNI = Did Not Ignite

Note 2 :

Paint & Similar Surface-coating Material (Clause 4.3.5)
ASTM F963-03 - 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 SPECTROMETER.

Specimen	1	2	3	4	5	6	7	8	limit
Total Lead	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	600 mg/kg

Specimen	9	10	11	12	13	14	15	16	17	limit
Total Lead	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	600 mg/kg

Specimen Description:

- | | |
|-------------------------------|--|
| 1. Yellow wet paint (7855) | 10. White wet paint (AC-102) |
| 2. White wet paint (7893) | 11. Transparent wet paint (MEA-002) |
| 3. Black wet paint (7879) | 12. Dk. orange wet paint (ACD-10995) |
| 4. Red wet paint (7842) | 13. Bright red wet paint (ACD-10997) |
| 5. Orange wet paint (7852) | 14. Blue wet paint (ACD-10994) |
| 6. Blue wet paint (7805) | 15. Transparent blue wet paint (ACD-10993) |
| 7. Dk. blue wet paint (7819) | 16. Matt black wet paint (ACD-11440) |
| 8. Mauve wet paint (7895) | 17. Mauve wet paint (ACD-10996) |
| 9. Yellow wet paint (ACD-204) | |

- < = Less than

- Results shown are of the total weight of dry sample.

Results of specimen 1-17 are copied from report No. SZTYR060100614/TS.

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ASTM F963-03 - 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 F963-03 (CLAUSE 8.3). ANALYSIS WAS PERFORMED BY INDUCTIVELY COUPLED PLASMA ATOMIC EMISSION SPECTROMETER.

<u>Element</u>	<u>White coating</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 white coating = 15.3mg

- < = Less than
- As received, the test portion of matt black coating is less than 10mg, therefore such components were not tested for soluble elements, as specified in ASTM F963-03 Clause 8.3.3.1 (2).
- Results of soluble elements shown are of the adjusted analytical results.
- Total Lead content was based on submitted wet paints and soluble heavy metals content were based on coatings scraped from the submitted samples.

- N.B. :
- Only applicable clauses were shown.
 - Photo Appendix is included.

*** End of Report ***

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Photo Appendix



SGS authenticate the photo on original report only

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Approved Signature

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