

Testing Report

Job No.:/

Report No.: XXX

Date: XX. XX, XX


Applicant: XXX

XXX

Contact(s): XXX

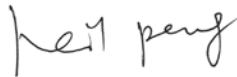
| Overall Rating: | |
|-----------------------------|-------------------------------------|
| Data | <input type="checkbox"/> |
| Satisfactory | <input checked="" type="checkbox"/> |
| Unsatisfactory | <input type="checkbox"/> |
| Others, See Detail Enclosed | <input type="checkbox"/> |

Sample Information

| | | |
|---|--------------------|--|
|  | Client: | XXX |
| | Supplier: | XXX |
| | Factory: | XXX |
| | Item No.: | XXX |
| | Description: | XXX |
| | PO No.: | XXX |
| | Sample Submitted: | 3 sets & dry paint by factory in good condition |
| | Country of Origin: | China |
| | Destination: | U.S.A |
| | Received Date: | XX. XX, XX |
| | Testing Period: | XX. XX, XX to XX. XX, XX |
| | Testing Standard: | Selected tests as requested by applicants, details refer to following pages. |
| Service Location: | Hangzhou | |
| Remark: | / | |

*****To be Continued

Authorized by:
HQTS QA International Services Co., Ltd.



Neil Peng
Supervisor



Testing Report

Job No.:/

Report No.: XXX

Date: XX. XX, XX

Testing Summary of Tested Component on Submitted Sample:

| | | |
|---|--|------|
| 1 | ASTM F963-11, Physical & Mechanical | Pass |
| 2 | ASTM F963-11, Flammability (Solid) | Pass |
| 3 | ASTM F963-11, Heavy Metal | Pass |
| 4 | US CPSIA 2008 Section 101: Lead Content in Paint &Substrate--Composited Test | Pass |
| 5 | Phthalate Content (DBP, BBP, DEHP, DnOP, DINP, DIDP, DnHP)--Composited Test | Pass |

*****To be Continued

1 ASTM F963-11, Physical & Mechanical

As per ASTM standard consumer safety specification on toy safety F963-11

Applicant's Specified Age Group for Testing: 5 Years up

Tested Age Group: 3 Years up

Classification of Submitted Sample: Battery-Operated Toys

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 | Comment |
|--------------|---|---------|
| Impact Test | Section 1500.51(b) | |
| Tension Test | Section 1500.53(f) | |
| Torque Test | Section 1500.53(e) | |
| Section | Testing Items | Comment |
| 4.1 | Materials (Visual Check on Cleanliness) | Pass |
| 4.5 | Sound Producing Toys | Pass |
| 4.6 | Small Objects | Pass |
| 4.7 | Accessible Edges | Pass |
| 4.8 | Projections | Pass |
| 4.9 | Accessible Points | Pass |
| 4.11 | Nails and Fasteners | Pass |
| 4.12 | Plastic Film | Pass |
| 4.18.2 | Circular Holes in Rigid Materials | NA |
| 4.18.6 | Coil Springs | NA |
| 4.25 | Battery-Operated Toys | Pass |
| 4.34 | Balls | Pass |
| 5 | Labeling Requirements | Pass |
| 6 | Instructional Literature | Pass |
| 7 | Producer's Markings | |
| | -Name of Distributor (Toy) | Yes |
| | -Address (Toy) | Yes |

Remark: NA=Not Applicable

The submitted samples were undergone the tests in accordance with section 8.5 through section 8.16 e.g. normal use testing, drop test, tension test, whichever is applicable.

*****To be Continued

2 ASTM F963-11 Flammability (Solid)

As per section 4.2 of ASTM F963-11

| Sample | Ignition Point | Burn Length (in.) | Time(s) | Actual Burn Rate (in./s) | Limit (in./s) | Comment |
|--------------------------------|----------------|----------------------|---------|-----------------------------|------------------|---------|
| GEOSAFARI JR. TALKING GLOBE | Head | 1.57 | 60 | 0.03 | 0.10 | Pass |

Remark: 0.10 in./s = 2.5 mm/s

3 ASTM F963-11 Heavy Metal

As per section 4.3.5 of the ASTM standard consumer safety specification on toy safety F963-11. Acid digestion method was used and total lead content for composite component was determined by inductively coupled argon plasma spectrometry; acid extraction method was used and toxic elements contents were determined by inductively coupled argon plasma spectrometry.

| Classification: Paint | | | | |
|-----------------------|--|-------------|--------------|---------|
| Element: Lead | | | | |
| Specimen | Tested Component Description (Location) | Limit (ppm) | Result (ppm) | Comment |
| #10, #11, #12 | Mixed White Dry Paint, Black Dry Paint, Yellow Dry Paint | 30 | <10 | Pass |

The above dry paint would be used on samples which were confirmed by client.

| Classification: Substrate | | | | |
|---------------------------|--|-------------|--------------|---------|
| Element: Lead | | | | |
| Specimen | Tested Component Description (Location) | Limit (ppm) | Result (ppm) | Comment |
| #1,#2,#3 | Mixed Transparent Plastic Film Ring (Equator), Red Plastic, Green Plastic | 30 | <10 | Pass |
| #4,#5,#6 | Mixed Yellow Plastic, White Rubber Button, Black Foam Feet | 30 | <10 | Pass |
| #7 | Silver Metal Screw | 100 | 33 | Pass |
| #8 | White Paster | 100 | <10 | Pass |
| #13 | Silver Metal Spring | 100 | 33 | Pass |

Remark: ppm = part per million=mg/kg.

*****To be Continued

| | Result (mg/kg) | | | | | Limit (mg/kg) |
|-----------------------|----------------|------|------|------|------|---------------|
| | #1 | #2 | #3 | #4 | #5 | |
| Soluble Lead (Pb) | <5 | <5 | <5 | <5 | <5 | 90 |
| Soluble Cadmium (Cd) | <5 | <5 | <5 | <5 | <5 | 75 |
| Soluble Chromium (Cr) | <5 | <5 | <5 | <5 | <5 | 60 |
| Soluble Mercury (Hg) | <5 | <5 | <5 | <5 | <5 | 60 |
| Soluble Antimony (Sb) | <5 | <5 | <5 | <5 | <5 | 60 |
| Soluble Barium (Ba) | <10 | <10 | <10 | <10 | <10 | 1000 |
| Soluble Arsenic (As) | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | 25 |
| Soluble Selenium (Se) | <5 | <5 | <5 | <5 | <5 | 500 |
| Comment | Pass | Pass | Pass | Pass | Pass | |

| | Result (mg/kg) | | | | | Limit (mg/kg) |
|-----------------------|----------------|------|------|------|------|---------------|
| | #6 | #7 | #8 | #9 | #13 | |
| Soluble Lead (Pb) | <5 | <5 | <5 | <5 | <5 | 90 |
| Soluble Cadmium (Cd) | <5 | <5 | <5 | <5 | <5 | 75 |
| Soluble Chromium (Cr) | <5 | <5 | <5 | <5 | <5 | 60 |
| Soluble Mercury (Hg) | <5 | <5 | <5 | <5 | <5 | 60 |
| Soluble Antimony (Sb) | <5 | <5 | <5 | <5 | <5 | 60 |
| Soluble Barium (Ba) | <10 | <10 | 27 | <10 | <10 | 1000 |
| Soluble Arsenic (As) | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | 25 |
| Soluble Selenium (Se) | <5 | <5 | <5 | <5 | <5 | 500 |
| Comment | Pass | Pass | Pass | Pass | Pass | |

| Classification: Small Object Component in Metallic Material | | |
|---|-------------|-----------------|
| | Result (µg) | Max. Limit (µg) |
| | #13 | |
| Soluble Cadmium (Cd) | <5 | 200 |
| Comment | Pass | |

*****To be Continued

Tested Component Description (Location):

| | | | |
|----|---|-----|---------------------|
| #1 | Transparent Plastic Film Ring (Equator) | #8 | White Paster |
| #2 | Red Plastic | #9 | Colored Paper |
| #3 | Green Plastic | #10 | White Dry Paint* |
| #4 | Yellow Plastic | #11 | Black Dry Paint* |
| #5 | White Rubber Button | #12 | Yellow Dry Paint* |
| #6 | Black Foam Feet | #13 | Silver Metal Spring |
| #7 | Silver Metal Screw | | |

Remark: *=The weight of paint was less than 10mg, so only total lead content was conducted

4 US CPSIA 2008 Section 101: Lead Content in Paint & Substrate--Composited Test

As per requirement of CPSC and applicant on prohibition on sale of children products containing lead; composite test for total lead content were conducted according to the method CPSC-CH-E1003-09.1 for paint component, CPSC-CH-E1002-08.3 method for non-metal component, CPSC-CH-E1001-08.3 method for metal component, and lead content was determined by inductively coupled argon plasma spectrometry.

| Classification: Paint | | | | |
|-----------------------|--|-------------|--------------|---------|
| Element: Lead | | | | |
| Specimen | Tested Component Description (Location) | Limit (ppm) | Result (ppm) | Comment |
| #10, #11, #12 | Mixed White Dry Paint, Black Dry Paint, Yellow Dry Paint | 30 | <10 | Pass |

The above dry paint would be used on samples which were confirmed by client.

| Classification: Substrate | | | | |
|---------------------------|--|-------------|--------------|---------|
| Element: Lead | | | | |
| Specimen | Tested Component Description (Location) | Limit (ppm) | Result (ppm) | Comment |
| #1,#2,#3 | Mixed Transparent Plastic Film Ring (Equator), Red Plastic, Green Plastic | 30 | <10 | Pass |
| #4,#5,#6 | Mixed Yellow Plastic, White Rubber Button, Black Foam Feet | 30 | <10 | Pass |
| #7 | Silver Metal Screw | 100 | 33 | Pass |
| #8 | White Paster | 100 | <10 | Pass |
| #13 | Silver Metal Spring | 100 | 33 | Pass |

Remark: ppm = part per million=mg/kg.

*****To be Continued

5 Phthalates Content (DBP, BBP, DEHP, DnOP, DINP, DIDP, DnHP)--Composited Test

As per requirement of CPSC, California proposition 65 and applicant on prohibition on certain products containing specified phthalates in toys and child care articles, composite test for phthalates content were conducted according to CPSC-CH-C1001-09.3 method, phthalates content was determined by Gas Chromatographic-Mass Spectrometric (GC-MS).

| | Result (%) | Max. Limit (%) |
|------------------------------------|------------|----------------|
| | #1 | |
| Dibutyl phthalate (DBP) | ND | 0.0500 |
| Benzyl Butyl Phthalate (BBP) | ND | 0.0500 |
| Bis(2-Ethylhexyl) Phthalate (DEHP) | ND | 0.0500 |
| Di-N-Octyl Phthalate (DnOP) | ND | 0.0500 |
| Di-"Isononyl" Phthalate (DINP) | ND | 0.0500 |
| Di-"Isodecyl" Phthalate (DIDP) | ND | 0.0500 |
| Dinhexyl Phthalate (DnHP) | ND | 0.0500 |
| Comment | Pass | |

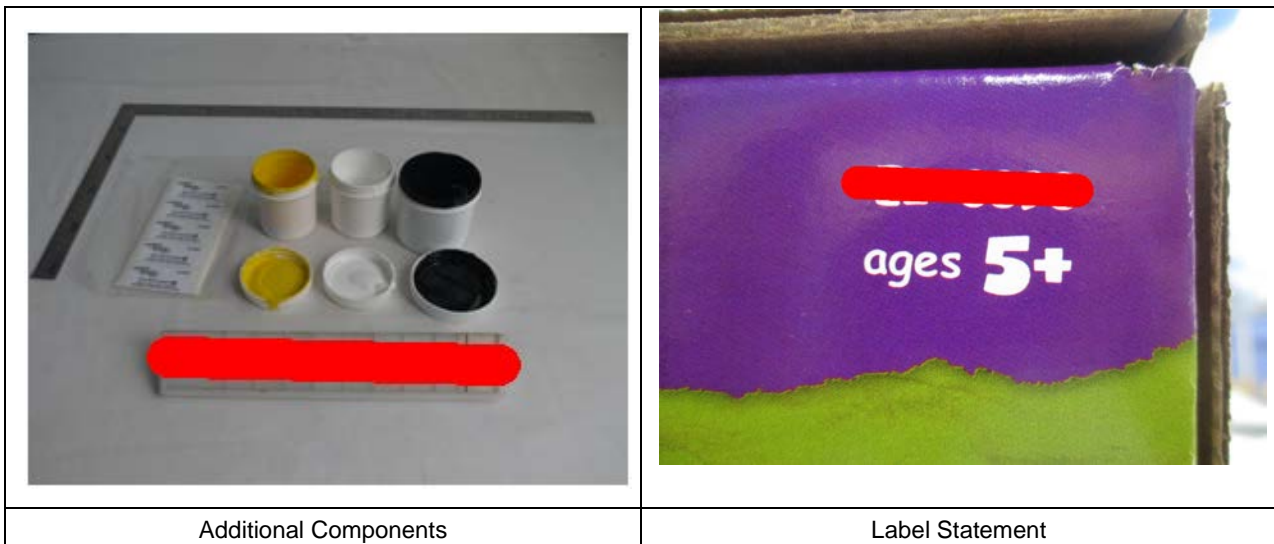
Remark: ND =Not Detected (<0.0100%)

The test components were specified by supplier.

Tested Component Description (Location):

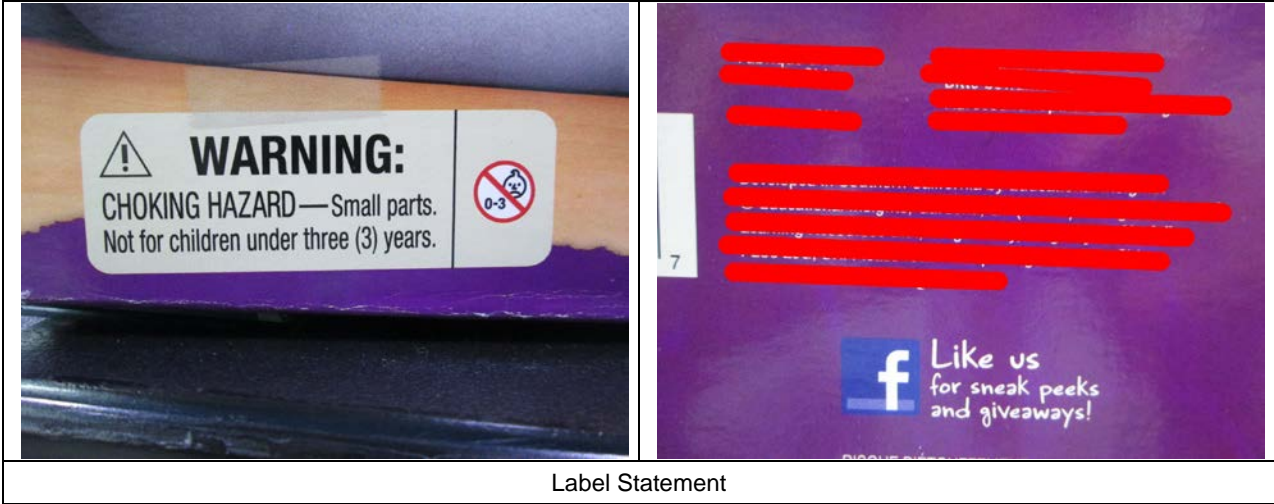
#1 Mixed White Rubber Button, Black Foam Feet

Photo Attachment



*****To be Continued

Photo Attachment



Label Statement

*****End of Report