

TEST REPORT

Mechanical & Hardgoods Laboratory

Report No : HY/2015/70201A

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Date : 2015/08/20

Chao Zhi Co., Ltd.

No. 198, Huantai E. Rd., Taiping Dist., Taichung City 411, Taiwan (R.O.C)

The following merchandise was submitted & identified by the applicant as:

Type of Product: Y.C.Z. WISDOM BALL
Style/Item No: YCZ103, YCZ102, YCZ101
Manufacturer/Vendor: Chao Zhi Co., Ltd.
Country of Origin: Taiwan
Labeled Age Grading: Not Stated
Requested Age Grading: 5+
Age group Applied in Testing: 5 years and up
Date of Sample received: 2015/06/30 & 2015/07/23
Testing period: 2015/07/01 – 07/09 & 2015/07/23 – 07/24

We have tested the submitted sample(s) as requested and the following results were obtained:**Test Requested:**

For compliance with the Physical & Mechanical, Flammability, Heavy Elements test requirements of ASTM F963-11 Standard Consumer Safety Specification on Toy Safety (Excluding clause 5 and 7)

Results :

Please refer to next page(s)

Conclusion :

The submitted samples **comply with** the requested test requirements.

* This report is combined with report of HY/2009/70003 *

Note: This report supersedes the previous one bearing Report No: HY/2015/70201, issued on 2015/07/24.

Signed for and on behalf of
SGS Taiwan Ltd.

Iris Huang
Asst. Manager



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Test Results:

As specified in ASTM F963-11 Standard Consumer Safety Specification on Toy Safety

| <u>Clause</u> | <u>Description</u> | <u>Result</u> |
|---------------|---------------------------------------------------|-----------------------------|
| 4.1 | Material** | <u>PASS</u> |
| 4.2 | Flammability | <u>PASS</u> |
| 4.3.5 | Heavy Elements | |
| 4.3.5.1 | Paint and Similar Surface-Coating Material | <u>PASS</u> (See Note 1) |
| 4.3.5.2 | Toy Substrate Materials | <u>PASS</u> (See Note 2) |
| 4.6 | Small Objects - 16 CFR 1501 | <u>PASS</u> |
| 4.7 | Accessible Edges - 16 CFR 1500.49 | <u>PASS</u> |
| 4.9 | Accessible Points - 16 CFR 1500.48 | <u>PASS</u> |
| 4.18 | Holes, Clearance, and Accessibility of Mechanisms | <u>PASS</u> |
| 5 | Safety Labeling Requirements | <u>EXCLUDED</u> |
| 7 | Producer's Marking | <u>EXCLUDED</u> |

****Visual Examination**

Remark : It is drawn to your attention that either a principal component of a toy or the package of a toy shall be marked with the name and address of the producer or the distributor.

N.B.: -Only applicable clauses were shown

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Note 1:

Heavy Elements (Clause 4.3.5)

Paint and Similar Surface-Coating Materials (Clause 4.3.5.1)

| <u>Test items</u> | <u>Unit</u> | <u>MDL</u> | <u>1</u> | <u>Pass</u> <u>Limit</u> |
|-----------------------|-------------|------------|----------|-----------------------------|
| Total Lead (Pb) | mg/kg | 2 | 3.83 | 90 |
| Soluble Antimony (Sb) | mg/kg | 5 | N.D. | 60 |
| Soluble Arsenic (As) | mg/kg | 2.5 | N.D. | 25 |
| Soluble Barium (Ba) | mg/kg | 10 | N.D. | 1000 |
| Soluble Cadmium (Cd) | mg/kg | 5 | N.D. | 75 |
| Soluble Chromium (Cr) | mg/kg | 5 | N.D. | 60 |
| Soluble Lead (Pb) | mg/kg | 5 | N.D. | 90 |
| Soluble Mercury (Hg) | mg/kg | 5 | N.D. | 60 |
| Soluble Selenium (Se) | mg/kg | 5 | N.D. | 500 |

Note 2:

Toy Substrate Materials (Clause 4.3.5.2)

| <u>Test items</u> | <u>Unit</u> | <u>MDL</u> | <u>2~13</u> | <u>14</u> | <u>15~17</u> | <u>Pass</u> <u>Limit</u> |
|-----------------------|-------------|------------|-------------|-----------|--------------|-----------------------------|
| Total Lead (Pb) | mg/kg | 2 | --- | 18.0 | N.D. | 100 |
| Soluble Antimony (Sb) | mg/kg | 5 | N.D. | --- | --- | 60 |
| Soluble Arsenic (As) | mg/kg | 2.5 | N.D. | --- | --- | 25 |
| Soluble Barium (Ba) | mg/kg | 10 | N.D. | --- | --- | 1000 |
| Soluble Cadmium (Cd) | mg/kg | 5 | N.D. | --- | --- | 75 |
| Soluble Chromium (Cr) | mg/kg | 5 | N.D. | --- | --- | 60 |
| Soluble Lead (Pb) | mg/kg | 5 | N.D. | --- | --- | 90 |
| Soluble Mercury (Hg) | mg/kg | 5 | N.D. | --- | --- | 60 |
| Soluble Selenium (Se) | mg/kg | 5 | N.D. | --- | --- | 500 |

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Description:

1. Golden colored coating of sample.
2. Lt. green plastic of sample.
3. Purple plastic of sample.
4. Lt. red plastic of sample.
5. Pink plastic of sample.
6. Lt. blue plastic of sample.
7. Yellow plastic of sample.
8. White plastic of sample. (inside)
9. Red plastic of sample.
10. White plastic of sample.
11. Green plastic of sample.
12. Blue plastic of sample.
13. Black plastic of sample.
14. Composite of lt. green, purple, lt. red plastic of sample.
15. Composite of pink, lt. blue, yellow plastic of sample.
16. Composite of white, red, white (inside) plastic of sample.
17. Composite of green, blue, black plastic of sample.

NOTE:

1. mg/kg = ppm
2. N.D. = Not Detected
3. MDL = Method Detection Limit
4. The chemical analysis was conducted in SGS Taiwan Ltd. Chemical Laboratory-Taipei

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Sample picture (As received)



** End of Report **

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