

TEST REPORT

Mechanical & Hardgoods Laboratory

Report No : HY/2018/70022

Page : 1 of 5

Date : 2018/07/16

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: Wisdom Pyramid A
Style/Item No: (YCZ701) NUMBER
Country of Origin: Taiwan
Sample Receiving Date: 2018/07/02
Testing Period: 2018/07/03 – 07/16

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

Test Requested:

As specified by client, selected parts of the submitted sample(s) to determine following elements:

1. Public Law 110-314 (Consumer Product Safety Improvement Act of 2008, CPSIA):-
 - 1) Lead in paint / similar surface coating material
 - 2) Phthalates
2. Heavy Elements content of ASTM F963-17 Standard Consumer Safety Specification on Toy Safety
3. US California Proposition 65
 - 1) Total Lead content
 - 2) Phthalate content

Methods and Results: Please refer to next page(s).

Note: The chemical analysis was conducted in SGS Taiwan Ltd. Chemical Laboratory-Taipei (Taiwan)

Signed for and on behalf of
SGS Taiwan Ltd.

Iris Huang
Manager



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested

TEST REPORT

Mechanical & Hardgoods Laboratory

Report No : HY/2018/70022

Page : 2 of 5

Test Results:

1. Public Law 110-314 (Consumer Product Safety Improvement Act of 2008, CPSIA):-

1) Lead in paint/similar surface coating material

Method: CPSC Test Method: CPSC-CH-E1003-09.1 'Standard Operating Procedure for Determining Lead (Pb) in Paint and Other Similar Surface Coatings' (or accredited test method)

Test item	1~2	Permissible Limit
Lead (Pb)	N.D.	90 ppm
Conclusion	PASS	---

Sample Description :

1. Composite of purple, blue paint.^Δ
2. Composite of yellow, green paint.^Δ

Note: 1. mg/kg = ppm; 0.1wt% = 1000ppm
 2. N.D. = not detected
 3. Method Detection Limit = 2ppm
 4. With reference to Test Method CPSC-CH-E1003-09.1 dated February 25, 2011, the result is calculated using the minimum sample weight
 5. ^Δ = Test done on dried paint sample.

2) Phthalates

Method: With reference to CPSC-CH-C1001-09.4. Analysis was performed by Gas Chromatography / Mass Spectrometry.

Concentration of phthalates in components of child care articles and toy product

Test items	1~2	Permissible Limit
Dibutyl Phthalate (DBP)	N.D.	0.1%
Benzylbutyl Phthalate (BBP)	N.D.	0.1%
Di-(2-ethylhexyl)Phthalate (DEHP)	N.D.	0.1%
Diisononyl Phthalate (DINP)	N.D.	0.1%
Di-cyclohexylphthalate (DCHP)	N.D.	0.1%
Diisobutyl phthalate (DIBP)	N.D.	0.1%
Di-n-Hexylphthalate (DNHP)	N.D.	0.1%
Di-n-pentylphthalate (DPENP)	N.D.	0.1%
Conclusion	PASS	---

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested

TEST REPORT

Mechanical & Hardgoods Laboratory

Report No : HY/2018/70022

Page : 3 of 5

Sample Description:

1. Composite of purple, blue paint.^Δ
2. Composite of yellow, green paint.^Δ

Note:

1. mg/kg = ppm; 0.1wt% = 1000ppm
2. N.D. = not detected
3. Method Detection Limit = 0.005 %
4. Results presented in this table are the calculated results based on the above tested components.
5. Composite test has been performed as per special request of client
6. ^Δ = Test done on dried paint sample.

2. Heavy Elements content of ASTM F963-17 Standard Consumer Safety Specification on Toy Safety

Method: In according to ASTM F963-17 Clause 8.3.

<u>Test items</u>	<u>Unit</u>	<u>MDL</u>	<u>1</u>	<u>2~4</u>	<u>5~6</u>	<u>Limit</u>
Total Lead (Pb)	mg/kg	2	---	---	N.D.	100
Soluble Antimony (Sb)	mg/kg	5	N.D.	N.D.	---	60
Soluble Arsenic (As)	mg/kg	2.5	N.D.	N.D.	---	25
Soluble Barium (Ba)	mg/kg	10	472	N.D.	---	1000
Soluble Cadmium (Cd)	mg/kg	5	N.D.	N.D.	---	75
Soluble Chromium (Cr)	mg/kg	5	N.D.	N.D.	---	60
Soluble Lead (Pb)	mg/kg	5	N.D.	N.D.	---	90
Soluble Mercury (Hg)	mg/kg	5	N.D.	N.D.	---	60
Soluble Selenium (Se)	mg/kg	5	N.D.	N.D.	---	500

Sample Description:

1. Purple paint.^Δ
2. Blue paint.^Δ
3. Yellow paint.^Δ
4. Green paint.^Δ
5. Composite of purple, blue paint.^Δ
6. Composite of yellow, green paint.^Δ

NOTE:

- mg/kg = ppm
- "MDL" = Method Detection Limit
- "N.D." = Not Detected
- ^Δ = Test done on dried paint sample.

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested

TEST REPORT

Mechanical & Hardgoods Laboratory

Report No : HY/2018/70022

Page : 4 of 5

3. US California Proposition 65

1) **Total Lead content****Total Lead Content (Paint/Similar Surface Coating Material)**

Test Method: With reference to CPSC Test Method: CPSC-CH-E1003-09.1. Analysis was performed by ICP-AES.

<u>Test item</u>	<u>MDL</u>	<u>1~2</u>	<u>Reference Limit*</u>
Lead (Pb)	2	N.D.	90 ppm
Conclusion	-	Pass	---

Remark: The limit is referenced to the requirement stated in the County of Alameda Superior Court, RG-07-356892, and Public Law (Consumer Product Safety Improvement Act of 2008, CPSIA)

2) **Phthalate content****Phthalates (Polymeric material (other than PVC) for childcare articles (up to age 3) or for toys**

Test Method: With reference to CPSC-CH-C1001-09.4.

<u>Test items</u>	<u>MDL</u>	<u>1~2</u>	<u>Reference Limit*</u>
Dibutyl Phthalate (DBP)	0.005	N.D.	0.10 %
Benzylbutyl Phthalate (BBP)	0.005	N.D.	0.10 %
Di-(2-ethylhexyl) Phthalate (DEHP)	0.005	N.D.	0.10 %
Diisodecyl Phthalate (DIDP)	0.005	N.D.	0.10 %
Diisononyl Phthalate (DINP)	0.005	N.D.	0.10 %
Di-n-octyl Phthalate (DNOP)	0.005	N.D.	0.10 %
Di-n-hexyl phthalate (DnHP)	0.005	N.D.	0.10 %
Conclusion	-	Pass	---

Sample Description:

- Composite of purple, blue paint.^Δ
- Composite of yellow, green paint.^Δ

Remark: The limit of DBP, BBP, DEHP, DIDP and DnHP is referenced to the requirement stated in Marin County Superior Court, CIV-10-00641. The limit for DINP and DNOP is 0.1% each in accordance with the requirement of children product stated in Public Law (Consumer Product Safety Improvement Act of 2008, CPSIA)

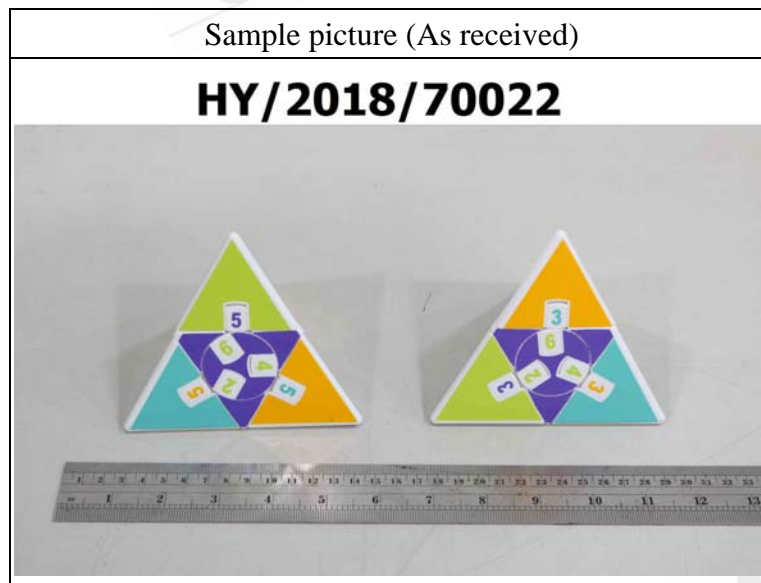
TEST REPORT

Mechanical & Hardgoods Laboratory

Report No : HY/2018/70022

Page : 5 of 5

- Note:
1. mg/kg = ppm; 0.1wt% = 1000ppm
 2. N.D. = not detected
 3. MDL = Method Detection Limit
 4. Results presented in this table are the calculated results based on the above tested components.
 5. Composite test has been performed as per special request of client
 6. * =The reference limit applied in testing is based on particular California Proposition 65 settlements that are most similar to the tested product in the opinion of the lab. The testing in this report does not reflect a user's actual exposure to the tested chemical.
A manufacturer or retailer that is not named in the referenced settlement is not bound by that settlement, and may choose to comply with California Proposition 65 by clearly informing the consumer of potential exposure.
 7. ^Δ = Test done on dried paint sample.



** End of Report **

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested