



CONSUMER PRODUCTS SERVICES DIVISION

## CARPENTERS MANUFACTORY LIMITED

**Technical Report:** (8520)020-0189  
**Date Received:** January 21, 2020

March 17, 2020  
Page 1 of 81

CARPENTERS MANUFACTORY LIMITED  
HUANG JIN JI INDUSTRIAL ZONE, SHANG JIE  
VILLAGE, QI SHI TOWN, DONG GUAN CITY, GUANG  
DONG PROVINCE, P.R.CHINA

<b>Sample Description:</b>	A - WALL ELEMENTS - GIANT FUN MIRROR B - BEE HIVE MEMORY TRAINING GAME(6 THEMES) C - LACING & WEAVING BOARD D - EMOTIONS LEARNING GAME E - BASIC SKILLS TRAINING - T - SHIRT AND SHOE F - MOSAIC TILES		
<b>Vendor:</b>	CARPENTERS MANUFACTORY LIMITED 东莞天志木制品有限公司	<b>Sample Size:</b>	12
<b>Manufacturer:</b>	N/A	<b>Style No(s):</b>	ME15129, MK14153, MK14252, MK15211, ME09494, ME14573
<b>Buyer:</b>	N/A	<b>SKN/SKU No.:</b>	N/A
<b>Labeled Age Grade:</b>	FOR A-C, E-F = 3 YEARS+, FOR D = 3 YEARS+/AGES 2Y+	<b>PO No.:</b>	N/A
<b>Appropriate Age Grade:</b>	NOT REQUESTED	<b>Ref #:</b>	N/A
<b>Client Specified Age Grade:</b>	3+	<b>Country of Origin:</b>	CHINA
<b>Tested Age Grade:</b>	OVER 3 YEARS OF AGE	<b>Assortment No.:</b>	N/A
<b>UPC Code:</b>	6955920015129, 6955920014153, 6955920014252, 6955920015211, 6955920009494, 6955920014573	<b>Country Of Destination:</b>	GLOBAL



CARPENTERS MANUFACTORY LIMITED

Technical Report: (8520)020-0189

March 17, 2020

Page 2 of 81

## **EXECUTIVE SUMMARY:**

The sample(s) MEET the following requirement(s):

- The flammability requirements of 16 CFR 1500.3(c)(6)(vi), "Flammable solid" (FHSA regulations).
- Labeling requirements of "CE marking, manufacturer/ Importer name and address, and product identification" under "Directive 2009/48/EC Safety of Toy".
- The migration of certain elements requirements of the AS/NZS Standard, "Safety of toys", AS/NZS 8124: Part 3: 2012 with Amendment No. 1: 2016.
- The labeling requirements of the tested subclauses of the Australian/New Zealand Standard, "Safety of toys", AS/NZS ISO 8124: Part 1: 2019.
- The mechanical and physical properties requirements of the tested subclauses of the Australian/New Zealand Standard, "Safety of toys", AS/NZS ISO 8124: Part 1: 2019.
- The flammability requirements of the AS/NZS Standard, "Safety of toys", AS/NZS 8124: Part 2: 2016.
- The labeling requirements of ASTM F963-17, "Standard consumer safety specification for toy safety".
- The mechanical hazards requirements of ASTM F963-17, "Standard consumer safety specification for toy safety".
- The soluble heavy metals content in surface coating requirements of ASTM F963-17, "Standard Consumer Safety Specification for Toy Safety," Section 4.3.5.1(2).
- The soluble heavy metals content in substrate requirements of ASTM F963-17, "Standard Consumer Safety Specification for Toy Safety," Section 4.3.5.2(2)(b).
- The applicable heavy metals content requirements for surface coatings of the Canada Consumer Product Safety Act, Toys Regulations, SOR/2011-17 Sec. 23 with Amendment in SOR/2016-195.
- The flammability requirements of Canada Consumer Product Safety Act, Toys Regulations, SOR/2011-17 section 32.
- The mechanical hazards requirements of the tested sections of Canada Consumer Product Safety Act, Toys Regulations, SOR/2011-17 and Schedule 2.
- The total lead content requirements of the Canada Consumer Product Safety Act, Consumer Products Containing Lead Regulations SOR/2018-83.
- The phthalates (BBP, DBP, DEHP, DINP, DIBP, DPENP, DHEXP & DCHP) content requirements of the Consumer Product Safety Improvement Act (CPSIA) of 2008 Sec. 108(a) and 108(c), 16 CFR 1307.
- The total lead content of 100ppm requirements by composite testing in substrate materials (Consumer Products Safety Improvement Act (CPSIA) of 2008).
- The total lead content of 90ppm requirements of 16 CFR 1303, "Ban of lead-containing paint and certain consumer products bearing lead-containing paint" as mandated by Congress in section 101(f) of the Consumer Products Safety Improvement Act (CPSIA) of 2008, Public Law 110-314.





CARPENTERS MANUFACTORY LIMITED

Technical Report: (8520)020-0189

March 17, 2020

Page 3 of 81

## **EXECUTIVE SUMMARY:**

The sample(s) MEET the following requirement(s):

- The cellulose nitrate requirements of Canada Toys Regulations, SOR/2011-17, section 21.
- The listed aromatic amines (azocolourants) content requirement of the European Regulation (EC) No. 1907/2006 of the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), Annex XVII concerning the Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles, Item no. 43, Points 1 and 2.
- The BBP, DBP DEHP and DIBP content requirements of the European Regulation (EC) No. 1907/2006 of the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), Annex XVII concerning the Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles, Item no. 51 (amended up to EU No. 2018/2005).
- The BBP, DBP and DEHP content requirements of the European Regulation (EC) No. 1907/2006 of the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), Annex XVII concerning the Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles, Item no. 51.
- The cadmium content requirement of the European Regulation (EC) No. 1907/2006 of the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), Annex XVII concerning the Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles, Item no. 23 (amended up to EU No. 2016/217).
- The DNOP, DINP and DIDP content requirements of the European Regulation (EC) No. 1907/2006 of the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), Annex XVII concerning the Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles, Item no. 52.
- The mechanical and physical properties requirements of the tested subclauses of the European Standard, "Safety of toys", EN71: Part 1:2014+A1:2018, clauses 1-7.
- The flammability requirements of the European Standard "Safety of Toys", EN 71: Part 2: 2011+ A1: 2014.
- The formaldehyde release requirement in accessible resin-bonded wood components of the European Standard, "Safety of Toys: Organic Chemical Compounds - Requirement", EN 71: Part 9: 2005, and Amendment A1: 2007, when tested according to the method BS EN 717-3.
- The migration of certain elements requirements of the European Standard, "Safety of Toys", EN 71 Part 3: 2019.
- The migration of certain elements in Category III - Scraped off toy material requirements of the European Standard, "Safety of Toys", EN 71 Part 3: 2013+A3:2018.
- The 17 phthalates content requirements of the client's specifications.

**Note:** The sample(s) was not evaluated to the Normal Use testing requirements specified in ASTM F963-17, Section 8.5. It is the responsibility of the manufacturer, vendor or distributor to conduct tests that will simulate normal use conditions. These tests shall ensure that hazards are not generated through normal wear and deterioration of the sample(s). These tests shall also simulate the normal play mode of the toy and to simulate the expected mode of use of the particular toy. The tests shall be conducted in an expected use environment. These normal use tests shall simulate the intended use of the toy based on its estimated lifetime.



CARPENTERS MANUFACTORY LIMITED

Technical Report: (8520)020-0189

March 17, 2020

Page 5 of 81

**EXECUTIVE SUMMARY:**

Note: According to ASTM F963-17, "Standard consumer safety specification on toy safety", Annex A11.10.1.5, exemption were granted to paper and paperboard. Therefore, the heavy metals content in substrate analysis of some components of ASTM F963-17, Section 4.3.5.2(2)(b) was not conducted.

BUREAU VERITAS SHENZHEN CO., LTD.

Hon Yin Kan  
Manager

Toys And Juvenile Products Department

HK/dk

**RESULTS:**



Sample Number  
85200200189A1



Sample Number  
85200200189B1



Sample Number  
85200200189C1



Sample Number  
85200200189D1



Sample Number  
85200200189E1



Sample Number  
85200200189F1

END OF REPORT