

TEST REPORT

Mechanical & Hardgoods Lab

Report No : HY/2010/C0010

Page : 1 of 6

Date : 2011/01/18

Educational Insights

380 N Fairway Drive, Vemon Hills, IL 60061

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

Type of Product: EI-1925 PlayFoam® Individual Display, EI-1876 PlayFoam® Classpack, EI-1907 PlayFoam® Combo 20Pack, EI-1906 PlayFoam® Combo 8 Pack, EI-1910 PlayFoam® Sparkle 4 Pack, EI-1900 PlayFoam® Classic 4 Pack

Country of Origin: Taiwan

Country of Destination: US, Europe

Labeled Age Grading: Ages 3 +

Date of Sample received: 2010/12/01 & 2010/12/20

Test Performing Period: 2010/12/01 – 2011/01/18

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

<u>Test Requested</u>	<u>Result</u>
European Standard on Safety of Toys :	
- EN71 Part 1:2005 + A9:2009 – Mechanical and Physical Properties	<u>Pass</u>
- EN71 Part 2:2006 + A1:2007 – Flammability	<u>Pass</u>
- EN 71 Part 3:1994 + A1:2000 – Migration of Certain Elements	<u>Pass</u>

***** FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S) *****

Signed for and on behalf of
SGS Taiwan Ltd.


Iris Huang
Asst. Manager

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留 90 天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm.

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 instructions, 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.

TEST REPORT

Mechanical & Hardgoods Lab

Report No : HY/2010/C0010

Page : 2 of 6

Test Results:

European Standard - Safety of Toys: EN71 Part 1:2005 + A9:2009 – Mechanical and Physical Properties

4.1	Material	<u>PASS</u>
4.2	Assembly	<u>N/A</u>
4.3	Flexible plastic sheeting	<u>N/A</u>
4.4	Toy bags	<u>N/A</u>
4.5	Glass	<u>N/A</u>
4.6	Expanding materials	<u>N/A</u>
4.7	Edges	<u>PASS</u>
4.8	Points and metallic wires	<u>PASS</u>
4.9	Protruding parts	<u>N/A</u>
4.10.1	Folding and slide mechanism	<u>N/A</u>
4.10.2	Driving mechanisms	<u>N/A</u>
4.10.3	Hinges	<u>N/A</u>
4.10.4	Springs	<u>N/A</u>
4.11	Mouth-actuated toys	<u>N/A</u>
4.12	Balloons	<u>N/A</u>
4.13	Cords of toy kites and other flying toys	<u>N/A</u>
4.14.1	Toys which a children can enter	<u>N/A</u>
4.14.2	Masks and helmets	<u>N/A</u>
4.15.1	Toys propelled by the child or by other means	<u>N/A</u>
4.15.2	Free-wheeling toy bicycles	<u>N/A</u>
4.15.3	Rocking horses and similar toys	<u>N/A</u>
4.15.4	Toys not propelled by a child	<u>N/A</u>
4.15.5	Toy scooters	<u>N/A</u>
4.16	Heavy immobile toys	<u>N/A</u>
4.17	Projectiles	<u>N/A</u>
4.18	Aquatic toys	<u>N/A</u>
4.19	Percussion caps specifically designed for use in toys and toys using percussion caps	<u>N/A</u>
4.20	Acoustics	<u>N/A</u>
4.21	Toys containing a non-electrical heat source	<u>N/A</u>
4.22	Small balls	<u>N/A</u>
4.23	Magnets	<u>N/A</u>

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留 90 天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm.

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 instructions, 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.

TEST REPORT

Mechanical & Hardgoods Lab

Report No : HY/2010/C0010

Page : 3 of 6

5	Toys intended for children under 36 months	
5.1	General requirements (Remark 1: The foam pellets are small parts as received. It is acceptable because appropriate age warning was found on the packaging.)	(See Remark 1)
5.2	Filling materials	<u>N/A</u>
5.3	Plastic sheeting	<u>N/A</u>
5.4	Cords on toys	<u>N/A</u>
5.5	Liquid-filled toys	<u>N/A</u>
5.6	Speed limitation of electrically driven toys	<u>N/A</u>
5.7	Glass and porcelain	<u>N/A</u>
5.8	Shape and size of certain toys	<u>N/A</u>
5.9	Toys comprising monofilament fibers	<u>N/A</u>
5.10	Small balls	<u>N/A</u>
5.11	Play figures	<u>N/A</u>
5.12	Hemispheric shaped toys	<u>N/A</u>
5.13	Suction cups	<u>N/A</u>
6	Packaging	<u>N/A</u>
7	Warnings and instruction for use (Note: It is drawn to your attention that the warnings, precautions and instructions for use should be given in the national language(s) of the country where the toy is sold.)	<u>PASS</u>

N/A : Not Applicable

European Standard - Safety of Toys : EN 71 Part 2:2006 + A1:2007 - Flammability of Toys

4.1	General Requirements	<u>PASS</u>
4.2	Toys to be worn on the head	<u>N/A</u>
4.3	Toy disguise costumes and toys intended to be worn by a child in play	<u>N/A</u>
4.4	Toys intended to be entered by a child	<u>N/A</u>
4.5	Soft filled toys(animals and dolls, etc) with a piled or textile surface	<u>N/A</u>

N/A : Not Applicable

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留 90 天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm.

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 instructions, 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.

TEST REPORT

Mechanical & Hardgoods Lab

Report No : HY/2010/C0010

Page : 4 of 6

EN 71 Part 3:1994 with the incorporation of amendments A1:2000

- Migration of Certain Elements

PASS

Element	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>Limit</u>
Lead (Soluble)	<5.0	<5.0	<5.0	<5.0	<5.0	90 mg/kg
Antimony (Soluble)	<5.0	<5.0	<5.0	<5.0	<5.0	60 mg/kg
Arsenic (Soluble)	<2.5	<2.5	<2.5	<2.5	<2.5	25 mg/kg
Barium (Soluble)	<10.0	<10.0	<10.0	<10.0	<10.0	1000 mg/kg
Cadmium (Soluble)	<5.0	<5.0	<5.0	<5.0	<5.0	75 mg/kg
Chromium (Soluble)	<5.0	<5.0	<5.0	<5.0	<5.0	60 mg/kg
Mercury (Soluble)	<5.0	<5.0	<5.0	<5.0	<5.0	60 mg/kg
Selenium (Soluble)	<5.0	<5.0	<5.0	<5.0	<5.0	500 mg/kg

Element	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>	<u>Limit</u>
Lead (Soluble)	<5.0	<5.0	<5.0	<5.0	<5.0	90 mg/kg
Antimony (Soluble)	<5.0	<5.0	<5.0	<5.0	<5.0	60 mg/kg
Arsenic (Soluble)	<2.5	<2.5	<2.5	<2.5	<2.5	25 mg/kg
Barium (Soluble)	<10.0	<10.0	<10.0	<10.0	<10.0	1000 mg/kg
Cadmium (Soluble)	<5.0	<5.0	<5.0	<5.0	<5.0	75 mg/kg
Chromium (Soluble)	<5.0	<5.0	<5.0	<5.0	<5.0	60 mg/kg
Mercury (Soluble)	<5.0	<5.0	<5.0	<5.0	<5.0	60 mg/kg
Selenium (Soluble)	<5.0	<5.0	<5.0	<5.0	<5.0	500 mg/kg

Element	<u>11</u>	<u>Limit</u>
Lead (Soluble)	<5.0	90 mg/kg
Antimony (Soluble)	<5.0	60 mg/kg
Arsenic (Soluble)	<2.5	25 mg/kg
Barium (Soluble)	<10.0	1000 mg/kg
Cadmium (Soluble)	<5.0	75 mg/kg
Chromium (Soluble)	<5.0	60 mg/kg
Mercury (Soluble)	<5.0	60 mg/kg
Selenium (Soluble)	<5.0	500 mg/kg

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留 90 天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm.

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 instructions, 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.

TEST REPORT

Mechanical & Hardgoods Lab

Report No : HY/2010/C0010

Page : 5 of 6

Description:

1. Multicolored glitter of sample.
2. White foam of sample.
3. Green colloid of sample.
4. Yellow colloid of sample.
5. Pink colloid of sample.
6. Orange colloid of sample.
7. Purple foam of sample.
8. Green foam of sample.
9. Blue foam of sample.
10. Orange foam of sample.
11. White colloid of sample.

NOTE:

- mg/kg = ppm
- " < " =Less than"

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留 90 天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm.

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 instructions, 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.

TEST REPORT

Mechanical & Hardgoods Lab

Report No : HY/2010/C0010

Page : 6 of 6

Sample picture (As received)



** End of Report **

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留 90 天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm.

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 instructions, 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.