



Test Report No. F690101/LF-CTSAYHA13-05170

Issued Date: 2013. 08. 20 Page 1 of 7

To: **3M KOREA CO., LTD.**
27-3
Yoido-dong
Yeongdeungpo-gu
Seoul
Korea

The following merchandise was submitted and identified by the client as :

SGS File No. : AYHA13-05170
Product Name : Multi-Purpose lock
Item No./Part No. : N/A
Received Date : 2013. 08. 08
Test Period : 2013. 08. 09 to 2013. 08. 20
Test Results : For further details, please refer to following page(s)
Test Performed : SGS Korea tested the sample(s) selected by applicant with following results.

Timothy Jeon
Jinhee Kim
Cindy Park
Jerry Jung/ Testing Person

SGS Korea Co., Ltd.

Jeff Jang / Chemical Lab Mgr

**Test Report No. F690101/LF-CTSAYHA13-05170**

Issued Date: 2013. 08. 20 Page 2 of 7

Sample No. : AYHA13-05170.001
Sample Description : White plastic
Item No./Part No. : N/A
Materials : ABS / PE / acryl foam tape

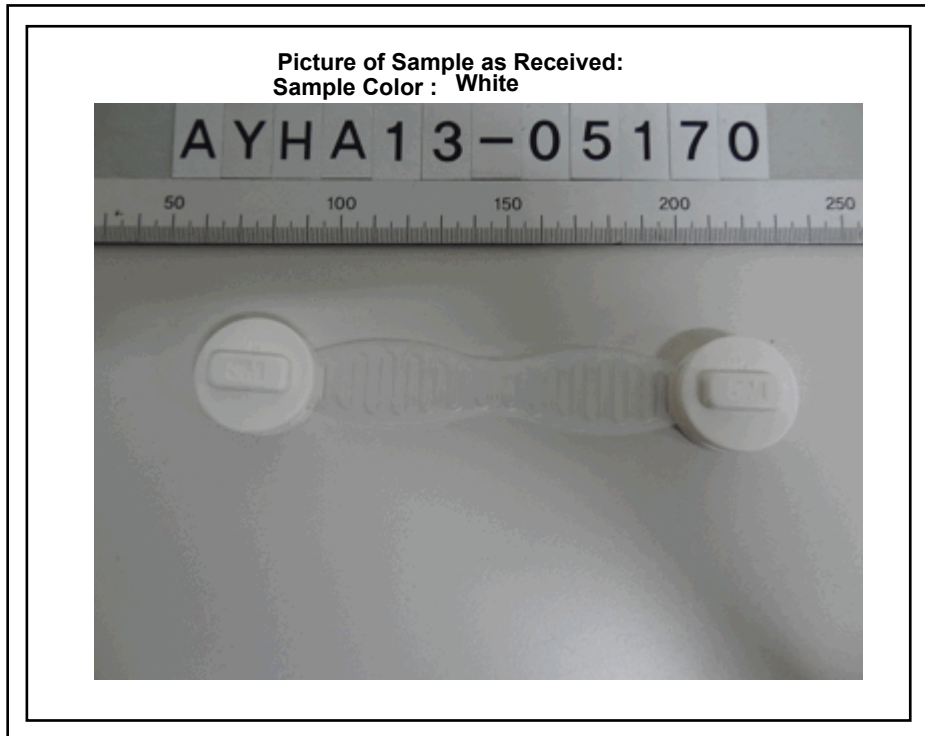
Polycyclic Aromatic Hydrocarbons

Test Items	Unit	Test Method	MDL	Results
Naphthalene	mg/kg	ZEK 01.4-08, GC/MS	0.2	N.D.
Acenaphthylene	mg/kg	ZEK 01.4-08, GC/MS	0.2	N.D.
Acenaphthene	mg/kg	ZEK 01.4-08, GC/MS	0.2	N.D.
Fluorene	mg/kg	ZEK 01.4-08, GC/MS	0.2	N.D.
Phenanthrene	mg/kg	ZEK 01.4-08, GC/MS	0.2	N.D.
Anthracene	mg/kg	ZEK 01.4-08, GC/MS	0.2	N.D.
Fluoranthene	mg/kg	ZEK 01.4-08, GC/MS	0.2	N.D.
Pyrene	mg/kg	ZEK 01.4-08, GC/MS	0.2	N.D.
Benzo(a)anthracene	mg/kg	ZEK 01.4-08, GC/MS	0.2	N.D.
Chrysene	mg/kg	ZEK 01.4-08, GC/MS	0.2	N.D.
Benzo(b)fluoranthene	mg/kg	ZEK 01.4-08, GC/MS	0.2	N.D.
Benzo(k)fluoranthene	mg/kg	ZEK 01.4-08, GC/MS	0.2	N.D.
Benzo(a)pyrene	mg/kg	ZEK 01.4-08, GC/MS	0.2	N.D.
Indeno(1,2,3-c,d)pyrene	mg/kg	ZEK 01.4-08, GC/MS	0.2	N.D.
Dibenzo(a,h)anthracene	mg/kg	ZEK 01.4-08, GC/MS	0.2	N.D.
Benzo(g,h,i)perylene	mg/kg	ZEK 01.4-08, GC/MS	0.2	N.D.

NOTE:

- (1) N.D. = Not detected.(<MDL)
- (2) mg/kg = ppm
- (3) MDL = Method Detection Limit
- (4) - = No regulation
- (5) ** = Qualitative analysis (No Unit)
- (6) Negative = Undetectable / Positive = Detectable

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 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 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 and such sample(s) are retained for 90 days only.



NOTE:

- (1) N.D. = Not detected.(<MDL)
- (2) mg/kg = ppm
- (3) MDL = Method Detection Limit
- (4) - = No regulation
- (5) ** = Qualitative analysis (No Unit)
- (6) Negative = Undetectable / Positive = Detectable

**Test Report No. F690101/LF-CTSAYHA13-05170**

Issued Date: 2013. 08. 20 Page 4 of 7

Sample No. : AYHA13-05170.002
Sample Description : Transparency plastic
Item No./Part No. : N/A
Materials : ABS / PE / acryl foam tape

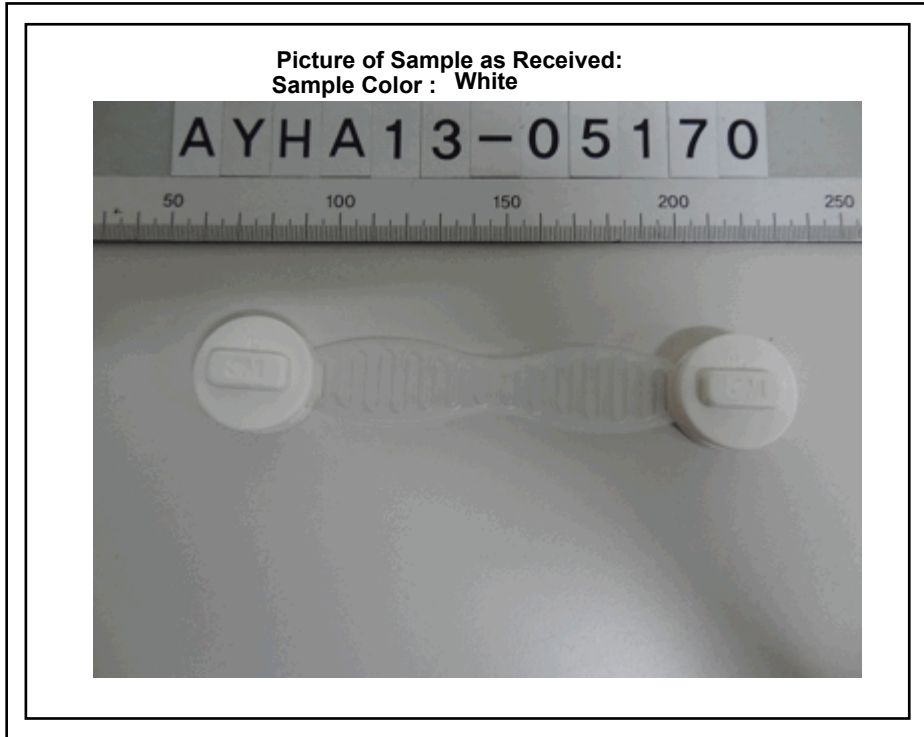
Polycyclic Aromatic Hydrocarbons

Test Items	Unit	Test Method	MDL	Results
Naphthalene	mg/kg	ZEK 01.4-08, GC/MS	0.2	N.D.
Acenaphthylene	mg/kg	ZEK 01.4-08, GC/MS	0.2	N.D.
Acenaphthene	mg/kg	ZEK 01.4-08, GC/MS	0.2	N.D.
Fluorene	mg/kg	ZEK 01.4-08, GC/MS	0.2	N.D.
Phenanthrene	mg/kg	ZEK 01.4-08, GC/MS	0.2	N.D.
Anthracene	mg/kg	ZEK 01.4-08, GC/MS	0.2	N.D.
Fluoranthene	mg/kg	ZEK 01.4-08, GC/MS	0.2	N.D.
Pyrene	mg/kg	ZEK 01.4-08, GC/MS	0.2	N.D.
Benzo(a)anthracene	mg/kg	ZEK 01.4-08, GC/MS	0.2	N.D.
Chrysene	mg/kg	ZEK 01.4-08, GC/MS	0.2	N.D.
Benzo(b)fluoranthene	mg/kg	ZEK 01.4-08, GC/MS	0.2	N.D.
Benzo(k)fluoranthene	mg/kg	ZEK 01.4-08, GC/MS	0.2	N.D.
Benzo(a)pyrene	mg/kg	ZEK 01.4-08, GC/MS	0.2	N.D.
Indeno(1,2,3-c,d)pyrene	mg/kg	ZEK 01.4-08, GC/MS	0.2	N.D.
Dibenzo(a,h)anthracene	mg/kg	ZEK 01.4-08, GC/MS	0.2	N.D.
Benzo(g,h,i)perylene	mg/kg	ZEK 01.4-08, GC/MS	0.2	N.D.

NOTE:

- (1) N.D. = Not detected.(<MDL)
- (2) mg/kg = ppm
- (3) MDL = Method Detection Limit
- (4) - = No regulation
- (5) ** = Qualitative analysis (No Unit)
- (6) Negative = Undetectable / Positive = Detectable

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 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. 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.



NOTE:

- (1) N.D. = Not detected.(<MDL)
- (2) mg/kg = ppm
- (3) MDL = Method Detection Limit
- (4) - = No regulation
- (5) ** = Qualitative analysis (No Unit)
- (6) Negative = Undetectable / Positive = Detectable

**Test Report No. F690101/LF-CTSAYHA13-05170**

Issued Date: 2013. 08. 20 Page 6 of 7

Sample No. : AYHA13-05170.003
Sample Description : White foam
Item No./Part No. : N/A
Materials : ABS / PE / acryl foam tape

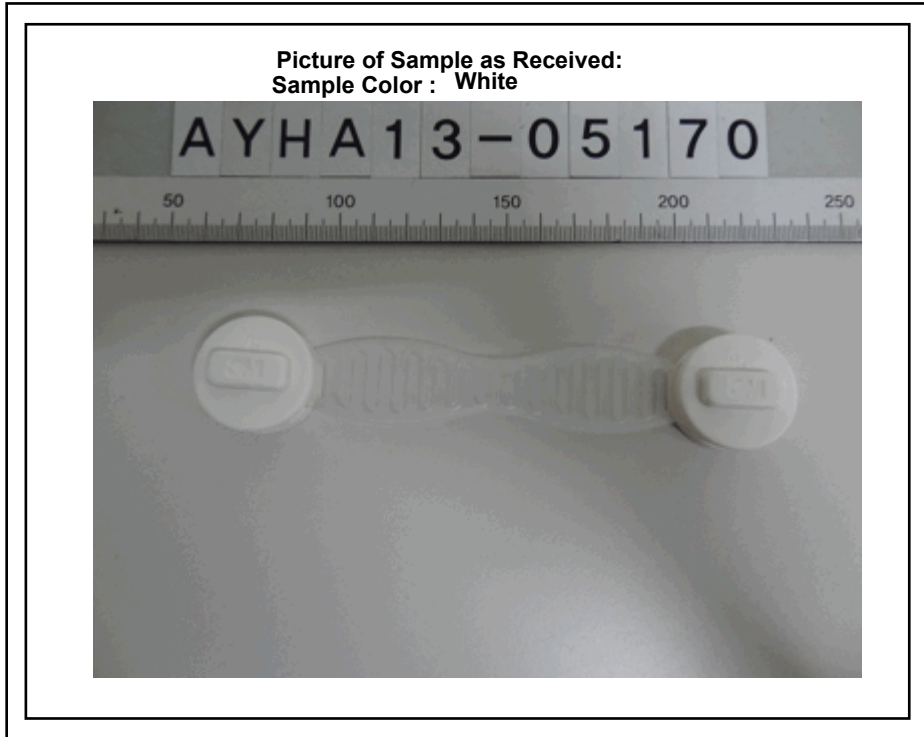
Polycyclic Aromatic Hydrocarbons

Test Items	Unit	Test Method	MDL	Results
Naphthalene	mg/kg	ZEK 01.4-08, GC/MS	0.2	N.D.
Acenaphthylene	mg/kg	ZEK 01.4-08, GC/MS	0.2	N.D.
Acenaphthene	mg/kg	ZEK 01.4-08, GC/MS	0.2	N.D.
Fluorene	mg/kg	ZEK 01.4-08, GC/MS	0.2	N.D.
Phenanthrene	mg/kg	ZEK 01.4-08, GC/MS	0.2	N.D.
Anthracene	mg/kg	ZEK 01.4-08, GC/MS	0.2	N.D.
Fluoranthene	mg/kg	ZEK 01.4-08, GC/MS	0.2	N.D.
Pyrene	mg/kg	ZEK 01.4-08, GC/MS	0.2	N.D.
Benzo(a)anthracene	mg/kg	ZEK 01.4-08, GC/MS	0.2	N.D.
Chrysene	mg/kg	ZEK 01.4-08, GC/MS	0.2	N.D.
Benzo(b)fluoranthene	mg/kg	ZEK 01.4-08, GC/MS	0.2	N.D.
Benzo(k)fluoranthene	mg/kg	ZEK 01.4-08, GC/MS	0.2	N.D.
Benzo(a)pyrene	mg/kg	ZEK 01.4-08, GC/MS	0.2	N.D.
Indeno(1,2,3-c,d)pyrene	mg/kg	ZEK 01.4-08, GC/MS	0.2	N.D.
Dibenzo(a,h)anthracene	mg/kg	ZEK 01.4-08, GC/MS	0.2	N.D.
Benzo(g,h,i)perylene	mg/kg	ZEK 01.4-08, GC/MS	0.2	N.D.

NOTE:

- (1) N.D. = Not detected.(<MDL)
- (2) mg/kg = ppm
- (3) MDL = Method Detection Limit
- (4) - = No regulation
- (5) ** = Qualitative analysis (No Unit)
- (6) Negative = Undetectable / Positive = Detectable

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 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 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 and such sample(s) are retained for 90 days only.



*** End ***

NOTE:

- (1) N.D. = Not detected.(<MDL)
- (2) mg/kg = ppm
- (3) MDL = Method Detection Limit
- (4) - = No regulation
- (5) ** = Qualitative analysis (No Unit)
- (6) Negative = Undetectable / Positive = Detectable