



TEST REPORT

Mechanical & Hardgoods Lab

Report No : HY/2011/ [REDACTED]
Page : 1 of 3
Date : 2011/05/13

[REDACTED] TAICHUNG, TAIWAN, 402

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

Type of Product: EVA FOAM MAT & TILE
Manufacturer/Vendor: [REDACTED]
Country of Origin: Taiwan
Date of Sample received: 2011/05/04
Testing period: 2011/05/05 – 05/11

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

Test Requested

To determine Polynuclear Aromatic Hydrocarbons contents in the submitted sample.

Test method

With reference to ZLS standard ZEK 01.2-08 method. Analysis was performed by GC/MS.

Test Results

- Please see the next page(s)

Signed for and on behalf of
SGS Taiwan Ltd.

Iris Huang
Asst. Manager

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Test Results:

Test item	Unit	MDL	1
Acenaphthene	mg/kg	0.2	N.D.
Acenaphthylene		0.2	N.D.
Anthracene		0.2	N.D.
Benzo[a]anthracene		0.2	N.D.
Benzo[a]pyrene		0.2	N.D.
Benzo[b]fluoranthene		0.2	N.D.
Benzo[g,h,i]perylene		0.2	N.D.
Benzo[k]fluoranthene		0.2	N.D.
Chrysene		0.2	N.D.
Dibenzo[a,h]anthracene		0.2	N.D.
Fluoranthene		0.2	N.D.
Fluorene		0.2	N.D.
Indeno[1,2,3-c,d]pyrene		0.2	N.D.
Naphthalene		0.2	N.D.
Phenanthrene		0.2	N.D.
Pyrene		0.2	N.D.
Sum of 16 PAHs	-	N.D.	

Description:

1. Composite of green/yellow foam of sample.

NOTE:

- mg/kg = ppm
- N.D=Not Detected
- MDL=Method Detection Limit
- “-“ = Not Regulated

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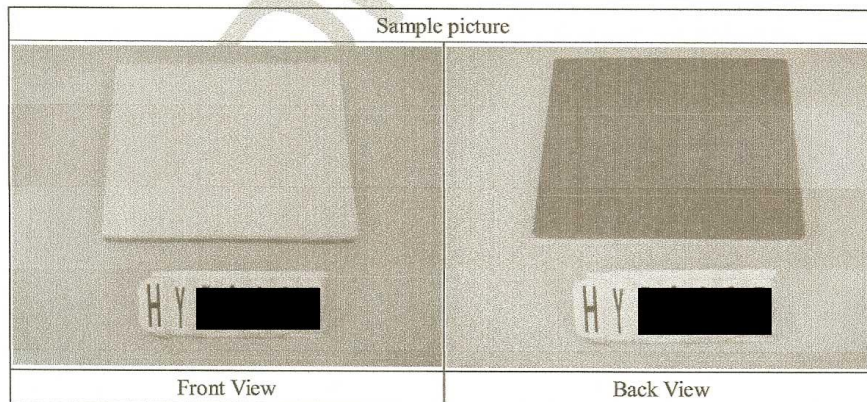
Reference information:

Requirement of ZEK 01.2-08: Restraining maximum values for products

Parameter	Category 1	Category 2	Category 3
	Materials in contact with foodstuff or materials which are meant to put in the mouth as well as toy for children <36 months.	Materials with foreseeable skin contact >30 s (prolonged skin contact) and toy not covered by category 1.	Materials with foreseeable skin contact < 30 s (short time skin contact) or without skin contact.
Benzo[a]pyrene (mg/kg)	< MDL (<0.2)**	1	20
Sum of 16 EPA-PAHs(mg/kg)*	< MDL (<0.2)**	10	200

Remark : * = Only PAH substances >0.2 mg/kg are taken into account while calculating the sum of PAHs

** = In case that the maximum values exceed the limits of category 1, but are within the limits of category 2, one may confirm the suitability of the tested material for contact with foodstuff or oral mucosa by additional specific migration tests of PAH components based on DIN EN 1186ff and §64 LFGB 80.30-1. The conclusion of the migration test results must be made based on food law criteria.



** End of Report **

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