



Test Report

No. :KC/2008/40065 Date: 2008/04/15 Page: 1 of 5




FORMOSA PLASTICS CORPORATION
NO.100, SHUI-GUAN RD., JEN-WU SHIANG, KAOHSIUNG COUNTY, TAIWAN R. O. C.

The following sample(s) was/were submitted and identified by/on behalf of the client as :

Sample Description	:	POLYVINYL CHLORIDE
Style/Item No.	:	JW S-65
Sample Receiving Date	:	2008/04/08
Testing Period	:	2008/04/08 TO 2008/4/15

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Test Requested	:	To determine Polynuclear Aromatic Hydrocarbons (PAHs).
Test Result(s)	:	Please refer to next page(s).
Conclusion	:	Base on the performed tests on submitted samples, the results comply with the PAHs requirement according to ZEK 01-08 (Category 2) of German ZLS and its amendments.


Katherine Ho / Supervisor
Signed for and on behalf of
SGS Taiwan Limited

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TW 6563924

Test Report

No. :KC/2008/40065 Date: 2008/04/15 Page: 2 of 5



FORMOSA PLASTICS CORPORATION
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TEST PART DESCRIPTION:

NO.1 : WHITE POLYVINYL CHLORIDE

Test Item (s):	Unit	Method	MDL	Result No.1
Polycyclic aromatic Hydrocarbons (PAHs)	---	---	---	---
Naphthalene (CAS No.: 000091-20-3)	mg/kg	With reference to ZLS standard ZEK 01-08. Analysis was performed by GC/MS.	0.2	1.75
Acenaphthylene (CAS No.: 000208-96-8)			0.2	n.d.
Acenaphthene (CAS No.: 000083-32-9)			0.2	n.d.
Fluorene (CAS No.: 000086-73-7)			0.2	n.d.
Phenanthrene (CAS No.: 000085-01-8)			0.2	0.218
Anthracene (CAS No.: 000120-12-7)			0.2	n.d.
Fluoranthene (CAS No.: 000206-44-0)			0.2	n.d.
Pyrene (CAS No.: 000129-00-0)			0.2	n.d.
Benzo[a]anthracene (CAS No.: 000056-55-3)			0.2	n.d.
Chrysene (CAS No.: 000218-01-9)			0.2	n.d.
Benzo[b]fluoranthene (CAS No.: 000205-99-2)			0.2	n.d.
Benzo[k]fluoranthene (CAS No.: 000207-08-9)			0.2	n.d.
Benzo[a]pyrene (CAS No.: 000050-32-8)			0.2	n.d.
Dibenzo[a,h]anthracene (CAS No.: 000053-70-3)			0.2	n.d.
Benzo[g,h,i]perylene (CAS No.: 000191-24-2)			0.2	n.d.
Indeno[1,2,3-c,d] pyrene (CAS No.: 000193-39-5)			0.2	n.d.
Sum of 16 PAHs			0.2	1.968

- Note :
1. mg/kg = ppm
 2. n.d. = Not Detected
 3. MDL = Method Detection Limit
 4. " --- " = Not Conducted

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TW 6563925

Test Report

No. :KC/2008/40065

Date: 2008/04/15 Page: 3 of 5



FORMOSA PLASTICS CORPORATION

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Reference information:

Requirement of ZEK 01-08 : Restraining maximum values for products

Parameter	Category 1	Category 2	Category 3
	Material in contact with foodstuff or materials which are meant to put in the mouth as well as toys for children <36 months	Materials with foreseeable skin contact >30 s (prolonged skin contact) and toys 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 16 PAH (EPA) (mg/kg)*	<MDL (<0.2)**	10	200

* = 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.

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TW 6563926

Test Report

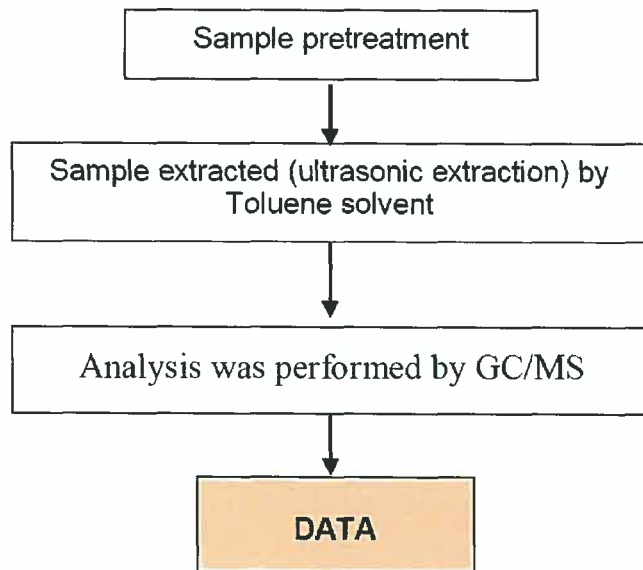
No. :KC/2008/40065 Date: 2008/04/15 Page: 4 of 5



FORMOSA PLASTICS CORPORATION
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PAHs (PolyAromaticHydrocarbons) analytical flow chart

Reference method : ZEK 01-08



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TW 6563927

Test Report

No. :KC/2008/40065

Date: 2008/04/15 Page: 4 of 5



FORMOSA PLASTICS CORPORATION

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**** End of Report ****

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TW 6563928