



Prüfbericht - Nr.: 113141491-01		Seite 1 von 4 Page 1 of 4	
<i>Test Report No.:</i>			
Auftraggeber: <i>Client:</i>	Yih Tai Plastics Industry Corporation No. 136, Lane 2, Sec. 1, Dong Fang Rd., Hu Nei Hsiang, Kaohsiung Hsien, Taiwan, R.O.C. Hergestellt für: REWE, bauMax Manufactured for:		
Gegenstand der Prüfung: <i>Test item:</i>	Folding door		
Bezeichnung: <i>Identification:</i>	PVC folding door / BKS (PO# 111269/398/401)		
Anlieferungszustand: <i>Delivery condition:</i>	apparent good	Eingangdatum: <i>Date of Receipt:</i>	29.12.2010
Prüfört: <i>Testing location:</i>	Laboratories of TUV Rheinland Greater China		
Prüfgrundlage: <i>Test specification:</i>	Testing according to client's specification for the following parameters: Cadmium, Polycyclic Aromatic Hydrocarbons (PAHs), Phthalates		
Prüfergebnis: <i>Test result:</i>	According to the kind and extend of tests performed the above mentioned test item passed the test specification.		
geprüft: <i>tested by:</i>	kontrolliert: <i>checked by:</i>		
			
05.01.2011	Sunny Hu /Senior Specialist	05.01.2011	Carl Chang /Assistant Manager
<i>Date</i>	<i>Name/Position</i>	<i>Date</i>	<i>Name/Position</i>
	<i>Unterschrift</i> <i>Signature</i>		<i>Unterschrift</i> <i>Signature</i>
Sonstiges/ Other Aspects:			
Test period: 29.12.2010 – 05.01.2011			
Test Parameter		Result	
Cadmium		Pass	
Phthalates		Pass	
PAHs		Pass	
Abkürzungen: <i>ab./P</i> = entspricht Prüfgrundlage <i>ful./F</i> = entspricht nicht Prüfgrundlage <i>n.a./N</i> = nicht anwendbar		Abkürzungen: <i>ab./P</i> = passed <i>ful./F</i> = failed <i>n.a./N</i> = not applicable	
Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfselchens. <i>This test report relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.</i>			



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Customer : Yih Tai Plastics Industry Corporation

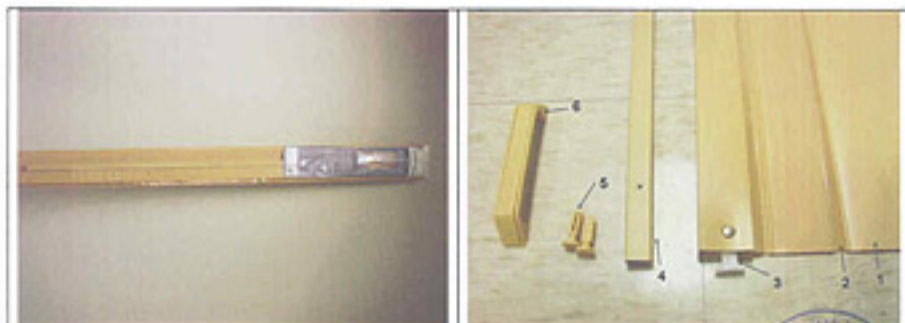
06.01.2011

Sample: PVC folding door / BKS (PO# 111269/388/401) Lab No: TCL101229-14

Material List

Material No.	Description	Material	Color
1	Folding door	Plastic	Beech
2	Folding door	Soft plastic	Beech
3	Glides	Plastic	White
4	Track	Plastic	Beech
5	Glides	Plastic	Beech
6	Handle	Plastic	Beech

Test sample



Test Report No. : 113141491-01 06.01.2011
 Customer : Yih Tai Plastics Industry Corporation
 Test Method : Cadmium - according to DIN EN 1122 B or microwave digestion; ICP-OES
 Phthalates - extraction by organic solvent; determination by GC-MS

Cadmium

Sample/material No. Lab.-No.	LoD	1+2 TCL101229-14	3+5 TCL101229-14	4+6 TCL101229-14
Cadmium (Cd) mg/kg	10	n.d.	n.d.	n.d.

Sample/material No. Lab.-No.	LoD	Limit according to client's requirement
Cadmium (Cd) mg/kg	10	50

Phthalates

Sample/material No. Lab.-No.	LoD	1+2+4 TCL101229-14	3+5+6 TCL101229-14	Limit according to client's requirement
Diethylhexylphthalate (DEHP) ¹⁾ %	0.01	n.d.	n.d.	0.1
Dibutylphthalate (DBP) ¹⁾ %	0.01	n.d.	n.d.	0.1
Benzylbutylphthalate (BBP) ¹⁾ %	0.01	n.d.	n.d.	0.1
Di-n-octylphthalate (DNOP) ²⁾ %	0.01	n.d.	n.d.	0.1
Disononylphthalate (DINP) ²⁾ %	0.01	n.d.	n.d.	0.1
Disodecylphthalate (DIDP) ²⁾ %	0.01	n.d.	n.d.	0.1
Diisobutylphthalate (DIBP) %	0.01	n.d.	n.d.	0.1

Phthalic acid esters; as long as the concentration in the plastic part of the final product does not exceed a total of 0.1% (=1000 mg/kg), the substance is considered as not having been used.

- ¹⁾ Compounds are generally restricted in toys and childcare articles.

- ²⁾ Compounds are only restricted in toys and childcare article which can be mouthed by children.



Test Report No. : 113141491-01
 Customer : Yih Tai Plastics Industry Corporation
 Test Method : PAH - ZEK 01.2-08: solvent extraction, determination by GC-MS

05.01.2011

PAH

Sample/material No. Lab.-No.			1+2+4 TCL101229-14	3+5+6 TCL101229-14	Limit according to client's requirement
Parameter	CAS#	Unit	Result	Result	
Acenaphthene	83-32-8	mg/kg	<0.2	<0.2	---
Acenaphthylene	208-96-8	mg/kg	<0.2	<0.2	---
Anthracene	120-12-7	mg/kg	<0.2	<0.2	---
Benzo[a]anthracene	56-55-3	mg/kg	<0.2	<0.2	---
Benzo[b]fluoranthene	205-99-2	mg/kg	<0.2	<0.2	---
Benzo[ghi]perylene	191-24-2	mg/kg	<0.2	<0.2	---
Benzo[k]fluoranthene	207-08-9	mg/kg	<0.2	<0.2	---
Chrysene	218-01-9	mg/kg	<0.2	<0.2	---
Dibenz[ah]anthracene	53-70-3	mg/kg	<0.2	<0.2	---
Fluoranthene	206-44-0	mg/kg	<0.2	<0.2	---
Fluorene	86-73-7	mg/kg	<0.2	<0.2	---
Indeno[1,2,3-cd]pyrene	193-39-5	mg/kg	<0.2	<0.2	---
Naphthalene	91-20-3	mg/kg	1.9	<0.2	---
Phenanthrene	85-01-8	mg/kg	0.2	<0.2	---
Pyrene	129-00-0	mg/kg	<0.2	<0.2	---
Benzo[a]pyrene (BaP)	50-32-6	mg/kg	<0.2	<0.2	1
group PAH* (sum)	---	mg/kg	2.1	<0.2	10
Evaluation			pass	pass	---

Single components with concentrations below the limit of detection (LoD) are not regarded for calculation of the sum.

According to "Annex XVII to Regulation (EC) No 1907/2006 (REACH)", extender oils may not be placed on the market and used for the production of tyres, if they contain more than 1 mg/kg benzo[a]pyrene (BaP), or more than 10 mg/kg of the sum of all listed PAHs.

Regarding PAH in consumer products the BfR (German Federal Institute for Risk Assessment) recommends to keep the following limits (statement no. 039/2006, dated June 29th 2006):

Parameter	Unit	Skin contact <30 sec	Skin contact >30 sec
Benzo[a]pyrene (CAS# 50-32-6)	mg/kg	20	1
Sum of 16 PAH (acc. US EPA)	mg/kg	200	10

--- End of Test-Report ---

