

Report No.: 0154128104a 001

Page 1 of 5

Client:

Identification/ PU MATERIAL

Model No(s):

Sample Receiving date: 2015-10-22

Testing Period: 2015-10-22 - 2015-10-27

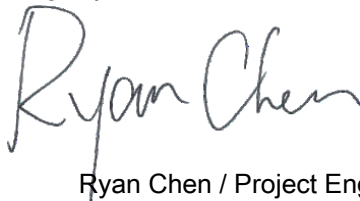
Test Specification:

Test result:

1. Polycyclic aromatic hydrocarbons (PAHs) - according to GS Specification, AfPS GS 2014:01 PAK

PASS

For and on behalf of
TÜV Rheinland (Shanghai) Co., Ltd.



2015-10-27

Ryan Chen / Project Engineer

Date

Name/Position

Test result is drawn according to the kind and extent of tests performed.

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.

Test Report No.: 0154128104a 001

Page 2 of 5

Material List:

Item: PU MATERIAL

Material No.	Material	Color	Location
M001	Synthetic leather	brown+black	refer to photo

Test Report No.: 0154128104a 001

Page 3 of 5

1. Polycyclic aromatic hydrocarbons (PAHs)
Test Method: AfPS GS 2014:01 PAK

Test Result:

Test No.				T001
Material No.				M001
Test Parameter	CAS NO	Unit	RL	Result
Acenaphthene	83-32-9	mg/kg	0.2	n.d.
Acenaphthylene	208-96-8	mg/kg	0.2	n.d.
Anthracene	120-12-7	mg/kg	0.2	n.d.
Benzo[a]anthracene	56-55-3	mg/kg	0.2	n.d.
Benzo[a]pyrene(BaP)	50-32-8	mg/kg	0.2	n.d.
Benzo[b]fluoranthene	205-99-2	mg/kg	0.2	n.d.
Benzo[k]fluoranthene	207-08-9	mg/kg	0.2	n.d.
Benzo[j]fluoranthene	205-82-3	mg/kg	0.2	n.d.
Benzo[g,h,i]perylene	191-24-2	mg/kg	0.2	n.d.
Benzo[e]pyrene	192-97-2	mg/kg	0.2	n.d.
Chrysene	218-01-9	mg/kg	0.2	n.d.
Dibenzo[a,h]anthracene	53-70-3	mg/kg	0.2	n.d.
Fluoranthene	206-44-0	mg/kg	0.2	n.d.
Fluorene	86-73-7	mg/kg	0.2	n.d.
Indeno[1,2,3-cd]pyrene	193-39-5	mg/kg	0.2	n.d.
Naphthalene	91-20-3	mg/kg	0.2	n.d.
Phenanthrene	85-01-8	mg/kg	0.2	n.d.
Pyrene	129-00-0	mg/kg	0.2	0.3
Sum of Acenaphthylene, Acenaphthene, Anthracene, Fluoranthene, Fluorene, Phenanthrene, Pyrene	-	mg/kg	-	0.3
Sum of 18 PAHs	-	mg/kg	-	0.3
Category*	-	-	-	2

Abbreviation: n.d. = not detected (< Reporting Limit)
 RL = Reporting Limit
 NA = Not Applicable
 mg/kg = milligram per kilogram

Test Report No.: 0154128104a 001

Page 4 of 5

Remark:

- * PAH maximum permissible limits requirement from the GS-Mark Approval published by the German Federal Institute for Occupational Safety and Health (BAuA)

Parameter	Unit	Category 1	Category 2		Category 3	
		Materials intended to be put into the mouth or materials of toy for children with long term intended skin contact (longer than 30 s)	Materials not covered by category 1, with foreseeable long term skin contact (longer than 30 s) or repeated short-term skin contact		Materials not covered by category 1 or 2, with foreseeable short term contact (shorter than 30s)	
		-	Toys according to directive 2009/48/EC	Other products according to ProdSG	Toys according to directive 2009/48/EC	Other products according to ProdSG
Benzo[a]pyrene(BaP)	mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Benzo[e]pyrene	mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Benzo[a]anthracene	mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Benzo[b]fluoranthene	mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Benzo[j]fluoranthene	mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Benzo[k]fluoranthene	mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Chrysene	mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Dibenzo[a,h]anthracene	mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Benzo[g,h,i]perylene	mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Indeno[1,2,3-cd]pyrene	mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Naphthalene	mg/kg	<1	<2	<2	<10	<10
Sum of Acenaphthylene Acenaphthene Anthracene Fluoranthene Fluorene Phenanthrene Pyrene	mg/kg	<1	<5	<10	<20	<50
Sum of 18 PAHs	mg/kg	<1	<5	<10	<20	<50

Limit: Specific evaluation required according to type of foreseeable use.

- ** Single components with an amount of <0.2 mg/kg were not considered by the calculation of the sum. In the case of all 18 PAHs were not detected, the result is stated n.d.

Test Report No.: 0154128104a 001

Page 5 of 5

Sample Photo



- END -

The following sample(s) was/were submitted and identified on behalf of the clients as :
MECHANISE,GASLIFT,320MM CHROME BASE

SGS Job No. : SHD201037965 - SH
Country of Destination : HOLLAND
Style No. : 0047-MSC
Date of Sample Received : 01 Dec 2010
Testing Period : 01 Dec 2010 - 10 Dec 2010
Test Requested : Selected test(s) as requested by client.
Test Method : Please refer to next page(s).
Test Results : Please refer to next page(s).
Conclusion : When tested as specified, the submitted sample 001 comply with the Cadmium Requirement of Entry 23 of Regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No 1907/2006 (previously restricted under Directive 91/338/EC).

Signed for and on behalf of
SGS-CSTC Ltd.

Crystal Zhou

Zhou Yan, Crystal
Approved Signatory

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Test Results :

Test Part Description :

Order No.	Sample No.	Description
1	SHA10-173707.001	Black coating
2	SHA10-173707.002	Silvery metal base(chair)
3	SHA10-173707.003	Silvery metal pole(chair)

Remarks :

- (1) 1 mg/kg = 1 ppm = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (< MDL)
- (4) "-" = Not Regulated

Test Method

Test Method : IEC 62321:2008 application of modified digestion by surface etching for Cadmium, analysis by ICP-OES

Test Item(s)	Limit	Unit	MDL	002	003
Cadmium (Cd)	100	mg/kg	10	ND	ND

Notes :

- (1) The maximum permissible limit is quoted from the document 2005/618/EC amending RoHS directive 2002/95/EC

Test Method

Test Method : With reference to EN 1122: 2001, Method B, analysis was performed by ICP-OES.

Test Item(s)	Limit	Unit	MDL	001
Cadmium (Cd)	100	mg/kg	5	ND

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Sample photo:



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SGS authenticate the photo on original report only

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