



TEST REPORT

NO.: SST15100603301

Date: Oct 09, 2015

Page 1 of 6

Applicant:

Address:

Report on the submitted sample said to be

Sample name: PORTFOLIO

Style/ Model No. : P772.621

P/O No./ Lot No. : N/A

Color/ Material : N/A

Test Request Age : N/A

Manufactory : N/A

Buyer : N/A

Country of Origin : N/A

Country of Export : N/A

Sample received date: Oct 06,2015

Sample test period: From Oct 06,2015 to Oct 09,2015

SUMMARY OF TEST RESULT(S)

Testing Item	Conclusion	Remark
24 Aromatic Amines Content from Azo Colorants – Client's Specification requirement	-	See next Pages
The Polycyclic Aromatic Hydrocarbons (PAHs) Content requirement of German Product Safety Commission GS Specification AfPS GS 2014:01 PAK, "Testing and validation of PAHs in products in the course of GS-Mark Certification".	-	See next Pages
The total Cadmium content by client's request	-	See next Pages

*****FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S)*****

Signatories:

John Yue
Lab Manager



服务热线: 400-800-3625

Sharp Standard Testing Technology Co., Ltd
锐标检测技术有限公司

No.42 HouJie Road East, HouJie Town, DongGuan, Guangdong,China
地址: 中国广东省东莞市厚街镇厚街大道东 42 号 Tel: 86-769-87050530
http://www.sst-test.com Mail:sst@sst-test.com Fax: 86-769-89026586

TEST REPORT

NO.: SST15100603301

Date: Oct 09, 2015

Page 2 of 6

Results:

24 Aromatic Amines Content from Azo Colorants - Client's Specification requirement

Test Method: European Standard EN 14362-1: 2012

Code	Amines Substances	CAS No.	Unit	Client's Limit	Result	
					001	002
1	4-Aminobiphenyl	92-67-1	mg/kg	/	ND	ND
2	Benzidine	92-87-5	mg/kg	/	ND	ND
3	4-Chloro-o-toluidine	95-69-2	mg/kg	/	ND	ND
4	2-Naphthylamine	91-59-8	mg/kg	/	ND	ND
5	o-Aminoazotoluene	97-56-3	mg/kg	/	ND*	ND*
6	5-nitro-o-toluidine	99-55-8	mg/kg	/	ND*	ND*
7	4-Chloroaniline	106-47-8	mg/kg	/	ND	ND
8	4-Methoxy-m-phenylenediamine	615-05-4	mg/kg	/	ND	ND
9	4,4'-Diaminodiphenylmethane	101-77-9	mg/kg	/	ND	ND
10	3,3'-Dichlorobenzidine	91-94-1	mg/kg	/	ND	ND
11	3,3'-Dimethoxybenzidine	119-90-4	mg/kg	/	ND	ND
12	3,3'-Dimethylbenzidine	119-93-7	mg/kg	/	ND	ND
13	4,4'-Diamino-3,3'-dimethyldiphenyl methane	838-88-0	mg/kg	/	ND	ND
14	2-Methoxy-5-methylaniline(p-cresidine)	120-71-8	mg/kg	/	ND	ND
15	4,4'-Methylenebis(2-chloroaniline)	101-14-4	mg/kg	/	ND	ND
16	4,4'-Oxydianiline	101-80-4	mg/kg	/	ND	ND
17	4,4'-Thiodianiline	139-65-1	mg/kg	/	ND	ND
18	o-Toluidine	95-53-4	mg/kg	/	ND	ND
19	2,4-Diaminotoluene	95-80-7	mg/kg	/	ND	ND
20	2,4,5-Trimethylaniline	137-17-7	mg/kg	/	ND	ND
21	2-Methoxyaniline	90-04-0	mg/kg	/	ND	ND
22	4-Aminoazobenzene	60-09-3	mg/kg	/	ND**	ND**
23	2,4-Xylidine	95-68-1	mg/kg	/	ND	ND
24	2,6-Xylidine	87-62-7	mg/kg	/	ND	ND

Note:

-* =The CAS No. 97-56-3(No.5) and 99-55-8 (No.6) are further reduced to CAS No. 95-53-4(No.18) and 95-80-7(No.19);

-**The EN14362-1:2012 methods will enable further cleavage of 4-aminoazobenzene to non-forbidden amines: aniline and 1,4-phenylenediamine, therefore, if detected aniline or 1,4-phenylenediamine, the test method of EN14362-3:2012 was employed to verify the presence of 4-aminoazobenzene.

- mg /kg = milligram(s) per kilogram

- ND= Not Detected (<DL)

- Detection Limit= 5mg/kg



服务热线: 400-800-3625

Sharp Standard Testing Technology Co., Ltd

锐标检测技术有限公司

No.42 HouJie Road East, HouJie Town, DongGuan, Guangdong, China

地址: 中国广东省东莞市厚街镇厚街大道东 42 号 Tel: 86-769-87050530

http://www.sst-test.com Mail: sst@sst-test.com Fax: 86-769-89026586

TEST REPORT

NO.: SST15100603301

Date: Oct 09, 2015

Page 3 of 6

Results:

Polycyclic Aromatic Hydrocarbons (PAHs) Content – German Product Safety Commission GS Specification AfPS GS 2014:01 PAK

Test Method: With reference to test method mentioned in German AfPS GS 2014:01 PAK

Maximum Allowable Limit :	See Appendix.
---------------------------	---------------

Parameter	CAS-No.	Unit	Result		
Test Item(s)	-	-	002	003	004
Type	-	-	-	-	-
Benzo (a) pyrene	50-32-8	mg/kg	ND	ND	ND
Benzo (e) pyrene	192-97-2	mg/kg	ND	ND	ND
Benzo (a) anthracene	56-55-3	mg/kg	ND	ND	ND
Benzo (b) fluoranthene	205-99-2	mg/kg	ND	ND	ND
Benzo (j) fluoranthene	205-82-3	mg/kg	ND	ND	ND
Benzo (k) fluoranthene	207-08-9	mg/kg	ND	ND	ND
Chrysene	218-01-9	mg/kg	ND	ND	ND
Dibenzo (a,h) anthracene	53-70-3	mg/kg	ND	ND	ND
Benzo (g,h,i) perylene	191-24-2	mg/kg	ND	ND	ND
Indeno (1,2,3-cd) pyrene	193-39-5	mg/kg	ND	ND	ND
Acenaphthylene	208-96-8	mg/kg	ND	ND	ND
Acenaphthene	83-32-9	mg/kg	ND	ND	ND
Fluorene	86-73-7	mg/kg	ND	ND	ND
Phenanthrene	85-01-8	mg/kg	ND	ND	ND
Pyrene	129-00-0	mg/kg	ND	ND	ND
Anthracene	120-12-7	mg/kg	ND	ND	ND
Fluoranthene	206-44-0	mg/kg	ND	ND	ND
Naphthalene	91-20-3	mg/kg	ND	ND	ND
Sum of all listed PAHS	-	mg/kg	ND	ND	ND

Note / key:

ND = Not detected(<DL)

">" = More than

Conc. = Concentration

mg/kg = milligram(s) per kilogram

"<" = Less than

Detection Limit (mg/kg): Each PAHs: 0.2;

Remark:

Plasticized and rubberized prints, coatings and plastic materials of product are applicable to be tested.

^[a] Denotes as this (these) limit(s) applies to product(s) with GS-Mark dated on or after July 01, 2015.



服务热线: 400-800-3625

Sharp Standard Testing Technology Co., Ltd

锐标检测技术有限公司

No.42 HouJie Road East, HouJie Town, DongGuan, Guangdong, China

地址: 中国广东省东莞市厚街镇厚街大道东 42 号 Tel: 86-769-87050530

http://www.sst-test.com Mail: sst@sst-test.com Fax: 86-769-89026586

TEST REPORT

NO.: SST15100603301

Date: Oct 09, 2015

Page 4 of 6

Appendix

Type (See Comment for the List of Types)	I	IIa	IIb	IIIa	IIIb
Test Parameter(s)	Limit ^[a] (mg/kg)				
Each of Benzo (a) pyrene, Benzo (e) pyrene, Benzo (a) anthracene, Benzo (b) fluoranthene, Benzo (j) fluoranthene, Benzo (k) fluoranthene, Chrysene, Dibenzo (a,h) anthracene, Benzo (g,h,i) perylene Indeno (1,2,3-cd) pyrene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Naphthalene	< 1	< 2	< 2	< 10	< 10
Acenaphthylene, Acenaphthene, Fluorene, Phenanthrene, Pyrene, Anthracene Fluoranthene (Sum of above listed PAHs)	< 1	< 5	< 10	< 20	< 50
Sum of all listed PAHs	< 1	< 5	< 10	< 20	< 50

List of Types [Categories defined in German AfPS GS 2014:01 PAK] :		
Category	Category Description(s)	Type
1	Category 1: Materials intended for mouth contact or materials in toys with intended long-term skin contact for more than 30 seconds	I
2	Category 2: Materials which are not covered in Category 1 with foreseeable contact to skin longer than 30 seconds (Long-term skin contact) or repeated short-term skin contact	IIa ^[a] or IIb ^[b]
3	Category 3: Materials which are not covered in Category 1 or Category 2 with foreseeable skin contact up to 30 seconds (Short-term skin contact)	IIIa ^[a] or IIIb ^[b]
^[a] denotes as toys according to European Parliament and Council Directive 2009/48/EC ^[b] denotes as other products according to German ProdSG		



服务热线: 400-800-3625

Sharp Standard Testing Technology Co., Ltd

锐标检测技术有限公司

No.42 HouJie Road East, HouJie Town, DongGuan, Guangdong, China
 地址: 中国广东省东莞市厚街镇厚街大道东 42 号 Tel: 86-769-87050530
<http://www.sst-test.com> Mail: sst@sst-test.com Fax: 86-769-89026586



TEST REPORT

NO.: SST15100603301

Date: Oct 09, 2015

Page 5 of 6

Results:

Total Cadmium Content by client's request

Test Method: Acid digestion, Analysis was performed by ICP-OES.

Client's Limit :	/		
Test Item(s)	Result	Unit	Conclusion
	Total Cadmium (Cd)		
002	ND	mg/kg	-
003	ND	mg/kg	-
004	ND	mg/kg	-

Note :

ND = Not detected(<DL)
mg/kg = milligram(s) per kilogram
Detection Limit (mg/kg) : 5

Specimen Description:

- 001: Black fabric (Leica cloth)
002: Black soft rubber with Gray cloth bottom(DE43)
003: Semi transparent plastic(TPU)
004: Transparent PVC



服务热线: 400-800-3625

Sharp Standard Testing Technology Co., Ltd
锐标检测技术有限公司

No.42 HouJie Road East, HouJie Town, DongGuan, Guangdong,China
地址: 中国广东省东莞市厚街镇厚街大道东 42 号 Tel: 86-769-87050530
<http://www.sst-test.com> Mail:sst@sst-test.com Fax: 86-769-89026586

TEST REPORT

NO.: SST15100603301

Date: Oct 09, 2015

Page 6 of 6

Photograph of Sample



*** End of Report ***

This report is considered invalidated without the Special Seal for Inspection of the SST, This report shall not be altered, increased or deleted, The results shown in this test report refer only to the sample(s) tested. Without written approval of SST, This test report shall not be copied except in full and published as advertisement. Detailed description are available at the website <http://www.sst-test.com>.



服务热线: 400-800-3625

Sharp Standard Testing Technology Co., Ltd
锐标检测技术有限公司

No.42 HouJie Road East, HouJie Town, DongGuan, Guangdong,China
地址: 中国广东省东莞市厚街镇厚街大道东 42 号 Tel: 86-769-87050530
<http://www.sst-test.com> Mail:sst@sst-test.com Fax: 86-769-89026586