

测试报告

Test report

T-24235530-10-R1



Verify Report

结论

Overall result

所有检测项目符合标准要求

Pass

备注：本检测结论是对所有检测项目是否符合标准要求进行的判定，检测结果详见后页。

The overall result is given based on all the tests conducted in this report. Please refer to the following pages for test result summary and notes.

客户信息

Client information

客户名称：Star-Tags Textilimport Und Merchandising
Client: Gmbh
地址：Frei-Otto-Strasse 6 80797 Muenchen
Address:



样品信息

Sample information

样品描述：3132402610 Audi Cap weiss/white

Description: 3132402620 Audi Cap rot/red

3132402630 Audi Cap schwarz/black

3131402640 Audi Cap grau/grey

SKU 号/款号：3132402610 3132402620 3132402630 3131402640

SKU/style #:

原产地：-

Country of origin:

发行/销售地区：-

Country of distribution:

颜色：white/red/black/grey

Color:

成分：Shell: 65%Polyester 35% Cotton

Composition: Lining: 65%Polyester 35% Cotton

买家：AUDI

Buyer:

收样数量：6 pcs per style + a lot parts +

Quantity submitted: 1 pc per style

订单编号：2024-312596

Purchase order #:

产品标识年龄：-

Labeled age grade:

客户要求测试年龄：Adult

Requested age grade:

实际测试年龄：-

Tested age grade:

Age group: Adult



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报告编号
Test report #
T-24235530-10-R1

报告发布日期
Report date
2024 年 10 月 30 日
30-Oct-2024

基本信息

General information

样品接收日期: 2024 年 10 月 9 日
Sample receipt date: **09-Oct-2024**
2024 年 10 月 10 日 至
2024 年 10 月 22 日,
测试周期: 2024 年 10 月 29 日 至
Testing period: 2024 年 10 月 30 日
10-Oct-2024 to 22-Oct-2024,
29-Oct-2024 to 30-Oct-2024

报告发布日期: 2024 年 10 月 30 日
Report date: **30-Oct-2024**

启迈(杭州)检测有限公司
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周方利

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Carina Zhou
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Textile Laboratory Manager



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测试结果汇总 Result summary

根据客户的要求，详细的测试项目如下：
At the request of the client, the following test were conducted:

测试项目 Test(s) conducted	结论 Conclusion
GB 18401-2010 国家纺织品基本安全技术规范 - pH 值测定 GB 18401-2010 National General Safety Technical Code for Textile Products, Determination of pH of aqueous extract	符合 Pass
GB 18401-2010 国家纺织品基本安全技术规范 - 甲醛含量的测定 GB 18401-2010 National General Safety Technical Code for Textile Products, Formaldehyde	符合 Pass
GB 18401-2010 国家纺织品基本安全技术规范 - 禁用偶氮染料的测定 GB 18401-2010 National General Safety Technical Code for Textile Products, Azocolorants	符合 Pass
FZ/T 82002-2016 缝制帽-水洗后外观 FZ/T 82002-2016 Woven caps -Appearance Retention After Washing	符合 Pass
FZ/T 82002-2016 缝制帽-耐皂洗色牢度 FZ/T 82002-2016 Woven caps -Colorfastness to Washing	符合 Pass
FZ/T 82002-2016 缝制帽-耐汗渍色牢度 FZ/T 82002-2016 Woven caps -Colorfastness to Perspiration	符合 Pass
FZ/T 82002-2016 缝制帽-耐水色牢度 FZ/T 82002-2016 Woven caps -Colorfastness to Water	符合 Pass
FZ/T 82002-2016 缝制帽-耐摩擦色牢度 FZ/T 82002-2016 Woven caps -Colorfastness to Rubbing	符合 Pass
FZ/T 82002-2016 缝制帽-耐光照色牢度 FZ/T 82002-2016 Woven caps -Colorfastness to Light	符合 Pass
FZ/T 82002-2016 缝制帽-纤维含量 FZ/T 82002-2016 Woven caps -Fiber Content	符合 Pass
FZ/T 82002-2016 缝制帽-异味 FZ/T 82002-2016 Woven caps -Odour	符合 Pass
GB 18401-2010 国家纺织品基本安全技术规范 - 耐水色牢度 GB 18401-2010 National general safety technical code for textile products-Colorfastness to Water	符合 Pass
GB 18401-2010 国家纺织品基本安全技术规范 - 耐汗渍色牢度 GB 18401-2010 National general safety technical code for textile products-Colorfastness to Perspiration	符合 Pass
GB 18401-2010 国家纺织品基本安全技术规范 - 耐干摩擦色牢度 GB 18401-2010 National general safety technical code for textile products-Colorfastness to Rubbing(Dry)	符合 Pass
GB 18401-2010 国家纺织品基本安全技术规范 - 纺织品异味测试 GB 18401-2010 National general safety technical code for textile products-Determination of Abnormal Odor in Textiles	符合 Pass



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详细结果 Detailed results

GB 18401-2010 国家纺织品基本安全技术规范 - pH 值测定 GB 18401-2010 National General Safety Technical Code for Textile Products, Determination of pH of aqueous extract

测试方法: GB/T 7573 2009
Test Method: GB/T 7573:2009
测试仪器: pH 计
Test instrument: pH-meter

样品编号 Specimen No.	1	2	5	7	10	限值 Limit
测试项目 Test Item	结果 Result	结果 Result	结果 Result	结果 Result	结果 Result	
pH	5.2	5.0	5.4	7.2	4.9	4.0~8.5
结论 Conclusion	符合 Pass	符合 Pass	符合 Pass	符合 Pass	符合 Pass	

样品编号 Specimen No.	11	12	15	16	19	限值 Limit
测试项目 Test Item	结果 Result	结果 Result	结果 Result	结果 Result	结果 Result	
pH	7.1	6.0	6.0	6.6	6.2	4.0~8.5
结论 Conclusion	符合 Pass	符合 Pass	符合 Pass	符合 Pass	符合 Pass	

样品编号 Specimen No.	20	---	---	---	---	限值 Limit
测试项目 Test Item	结果 Result	结果 Result	结果 Result	结果 Result	结果 Result	
pH	6.6	---	---	---	---	4.0~8.5
结论 Conclusion	符合 Pass	---	---	---	---	

备注:
Note:
萃取溶液: 0.1 mol/L KCl
Extraction solution: 0.1 mol/L KCl
萃取溶液 pH 值= 5.8
pH value of extraction solution= 5.8





详细结果 Detailed results

GB 18401-2010 国家纺织品基本安全技术规范 - 甲醛含量的测定 GB 18401-2010 National General Safety Technical Code for Textile Products, Formaldehyde

测试方法:
Test Method: GB/T 2912.1-2009
测试仪器:
Analytical Method: 紫外分光光度计
Ultraviolet-Visible Spectrophotometry

种类 Category	B: 纺织品与皮肤直接接触 B: Textile products with direct contact to skin				
样品编号 Specimen No.	1	2	3	4	5
测试项目 Test Item CAS No.	结果 Result (mg/kg)	结果 Result (mg/kg)	结果 Result (mg/kg)	结果 Result (mg/kg)	结果 Result (mg/kg)
甲醛 Formaldehyde 50-00-0	ND	ND	ND	ND	ND
结论 Conclusion	符合 Pass	符合 Pass	符合 Pass	符合 Pass	符合 Pass

备注:
Note:
mg/kg =毫克每千克
mg/kg = Milligrams per kilogram
LT =少于
LT = Less than
ND =未检出 (报告检出限= 20 mg/kg)
ND = Not detected (Reporting Limit = 20 mg/kg)

种类 Category	甲醛 Formaldehyde (mg/kg)
A: 婴儿纺织品 A: Textile products for infants	20
B: 纺织品与皮肤直接接触 B: Textile products with direct contact to skin	75
C: 纺织产品不直接接触皮肤 C: Textile products without direct contact to skin	300





详细结果 Detailed results

GB 18401-2010 国家纺织品基本安全技术规范 - 甲醛含量的测定 GB 18401-2010 National General Safety Technical Code for Textile Products, Formaldehyde

测试方法:
Test Method: GB/T 2912.1-2009
测试仪器:
Analytical Method: 紫外分光光度计
Ultraviolet-Visible Spectrophotometry

种类 Category	B: 纺织品与皮肤直接接触 B: Textile products with direct contact to skin				
样品编号 Specimen No.	6	7	10	11	13
测试项目 Test Item CAS No.	结果 Result (mg/kg)	结果 Result (mg/kg)	结果 Result (mg/kg)	结果 Result (mg/kg)	结果 Result (mg/kg)
甲醛 Formaldehyde 50-00-0	ND	ND	ND	ND	ND
结论 Conclusion	符合 Pass	符合 Pass	符合 Pass	符合 Pass	符合 Pass

备注:
Note:
mg/kg =毫克每千克
mg/kg = Milligrams per kilogram
LT =少于
LT = Less than
ND =未检出 (报告检出限= 20 mg/kg)
ND = Not detected (Reporting Limit = 20 mg/kg)

种类 Category	甲醛 Formaldehyde (mg/kg)
A: 婴儿纺织品 A: Textile products for infants	20
B: 纺织品与皮肤直接接触 B: Textile products with direct contact to skin	75
C: 纺织产品不直接接触皮肤 C: Textile products without direct contact to skin	300





详细结果 Detailed results

GB 18401-2010 国家纺织品基本安全技术规范 - 甲醛含量的测定 GB 18401-2010 National General Safety Technical Code for Textile Products, Formaldehyde

测试方法:
Test Method: GB/T 2912.1-2009
测试仪器:
Analytical Method: 紫外分光光度计
Ultraviolet-Visible Spectrophotometry

种类 Category	B: 纺织品与皮肤直接接触 B: Textile products with direct contact to skin				
样品编号 Specimen No.	15	16	17	19	20
测试项目 Test Item CAS No.	结果 Result (mg/kg)	结果 Result (mg/kg)	结果 Result (mg/kg)	结果 Result (mg/kg)	结果 Result (mg/kg)
甲醛 Formaldehyde 50-00-0	ND	ND	ND	ND	ND
结论 Conclusion	符合 Pass	符合 Pass	符合 Pass	符合 Pass	符合 Pass

备注:
Note:
mg/kg =毫克每千克
mg/kg = Milligrams per kilogram
LT =少于
LT = Less than
ND =未检出 (报告检出限= 20 mg/kg)
ND = Not detected (Reporting Limit = 20 mg/kg)

种类 Category	甲醛 Formaldehyde (mg/kg)
A: 婴儿纺织品 A: Textile products for infants	20
B: 纺织品与皮肤直接接触 B: Textile products with direct contact to skin	75
C: 纺织产品不直接接触皮肤 C: Textile products without direct contact to skin	300



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详细结果 Detailed results

GB 18401-2010 国家纺织品基本安全技术规范 - 甲醛含量的测定 GB 18401-2010 National General Safety Technical Code for Textile Products, Formaldehyde

测试方法:
Test Method: GB/T 2912.1-2009
测试仪器:
Analytical Method: 紫外分光光度计
Ultraviolet-Visible Spectrophotometry

种类 Category	B: 纺织品与皮肤直接接触 B: Textile products with direct contact to skin				
样品编号 Specimen No.	21	---	---	---	---
测试项目 Test Item CAS No.	结果 Result (mg/kg)	结果 Result (mg/kg)	结果 Result (mg/kg)	结果 Result (mg/kg)	结果 Result (mg/kg)
甲醛 Formaldehyde 50-00-0	ND	---	---	---	---
结论 Conclusion	符合 Pass	---	---	---	---

备注:
Note:
mg/kg =毫克每千克
mg/kg = Milligrams per kilogram
LT =少于
LT = Less than
ND =未检出 (报告检出限= 20 mg/kg)
ND = Not detected (Reporting Limit = 20 mg/kg)

种类 Category	甲醛 Formaldehyde (mg/kg)
A: 婴儿纺织品 A: Textile products for infants	20
B: 纺织品与皮肤直接接触 B: Textile products with direct contact to skin	75
C: 纺织产品不直接接触皮肤 C: Textile products without direct contact to skin	300



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详细结果

Detailed results

GB 18401-2010 国家纺织品基本安全技术规范 - 禁用偶氮染料的测定

GB 18401-2010 National General Safety Technical Code for Textile Products, Azocolorants

测试方法: GB/T 17592-2011, GB/T 23344-2009

Test Method:

测试仪器: 气相色谱-质谱联用仪

Analytical Method: Gas Chromatography with Mass Spectrometry

样品编号 Specimen No.		1+2+3	6+9+10	8+19+20	11+14+16	限值 Limit (mg/kg)
测试项目 Test Item	CAS No.	结果 Result (mg/kg)	结果 Result (mg/kg)	结果 Result (mg/kg)	结果 Result (mg/kg)	
4-氨基联苯 4-aminobiphenyl	92-67-1	ND	ND	ND	ND	20
联苯胺 Benzidine	92-87-5	ND	ND	ND	ND	20
4-邻氯甲苯胺 4-chloro-o-toluidine	95-69-2	ND	ND	ND	ND	20
2-萘胺 2-naphtylamine	91-59-8	ND	ND	ND	ND	20
邻氨基偶氮甲苯 o-aminoazotoluene	97-56-3	ND	ND	ND	ND	20
5-硝基-邻甲苯胺 5-nitro-o-toluidine	99-55-8	ND	ND	ND	ND	20
对氯苯胺 p-chloroaniline	106-47-8	ND	ND	ND	ND	20
二氨基苯甲醚 2,4-diaminoanisole	615-05-4	ND	ND	ND	ND	20
4, 4-二氨基二苯甲烷 4,4'-diaminodiphenyl methane	101-77-9	ND	ND	ND	ND	20
3, 3-二氯联苯胺 3,3'- dichlorobenzidine	91-94-1	ND	ND	ND	ND	20
3, 3-二甲氧基联苯胺 3,3'-dimethoxybenzidine	119-90-4	ND	ND	ND	ND	20
3, 3-二甲基联苯胺 3,3'- dimethylbenzidine	119-93-7	ND	ND	ND	ND	20
3, 3-二甲基-4, 4-二氨 基二苯甲烷 3,3'-dimethyl-4,4'- diaminodiphenyl methane	838-88-0	ND	ND	ND	ND	20
2-甲氧基-5-甲基苯胺 p- cresidine	120-71-8	ND	ND	ND	ND	20
4, 4-次甲基双(2-氯苯 胺) 4,4'-methylene-bis-(2- chloro-aniline)	101-14-4	ND	ND	ND	ND	20



4, 4-二氨基二苯醚 4,4'-oxydianiline	101-80-4	ND	ND	ND	ND	20
4, 4-二氨基二苯硫醚 4,4'-thiodianiline	139-65-1	ND	ND	ND	ND	20
邻甲苯胺 o-toluidine	95-53-4	ND	ND	ND	ND	20
2, 4-二氨基甲苯 2,4-toluylenediamine	95-80-7	ND	ND	ND	ND	20
2, 4, 5-三甲基苯胺 2,4,5-trimethylaniline	137-17-7	ND	ND	ND	ND	20
邻茴香胺 o-anisidine	90-04-0	ND	ND	ND	ND	20
4-对氨基偶氮苯 * 4-aminoazobenzene	60-09-3	ND	ND*	ND	ND	20
2, 4-二甲苯胺 2,4 - xylidine	95-68-1	ND	ND	ND	ND	20
2, 6-二甲苯胺 2,6 - xylidine	87-62-7	ND	ND	ND	ND	20
结论 Conclusion		符合 Pass	符合 Pass	符合 Pass	符合 Pass	

备注:

Note:

mg/kg =毫克每千克

mg/kg = milligrams per kilogram

LT =少于

LT = Less than; MT = More than

ND = 未检出 (报告检出限 = 5 mg/kg)

ND = Not detected (Reporting limit = 5 mg/kg)

Composite results are based on specimen of least mass resulting in highest potential concentration.

测试结果根据风险评估, 按照混合样品中质量最小的进行计算。



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详细结果

Detailed results

FZ/T 82002-2016 缝制帽

FZ/T 82002-2016 Woven caps

检验项目 Test Items	评判依据 Requirement			测试结果 Result	结论 Conclusion
水洗后外观 Appearance Retention After Washing					
测试方法: Test Method: GB/T 8629-2001 (程序仿手洗, 悬挂晾干, 温度 40 摄氏度) (Simulated hand wash, line dry, 40℃)	优等品&一等品 &合格品 Superior&Class 1&Qualified	符合 GB/T 21295-2014 Comply with GB/T 21295-2014		26#: 符合要求 26#: Comply with Requirement 27#: 符合要求 27#: Comply with Requirement 28#: 符合要求 28#: Comply with Requirement 29#: 符合要求 29#: Comply with Requirement	符合 Pass
耐皂洗色牢度 Colorfastness to Washing					
测试方法: Test Method: GB/T 3921-2008 A (1) (单位: 级) (Unit: grade)	优等品 Superior	变色: Color Change:	≥ 4		符合 Pass
		沾色: Color Staining:	≥ 4		
	一等品 Class 1	变色: Color Change:	≥3-4		
		沾色: Color Staining:	≥ 3-4		
	合格品 Qualified	变色: Color Change:	≥ 3	22#-大身: 4-5 22#-Body: 4-5 22#-汗带: 4-5 22#-Sweatband: 4-5 23#-大身: 4-5 23#-Body: 4-5 23#-汗带: 4-5 23#-Sweatband: 4-5 24#-大身: 4-5 24#-Body: 4-5 24#-汗带: 4-5 24#-Sweatband: 4-5 25#-大身: 4-5 25#-Body: 4-5 25#-汗带: 4-5 25#-Sweatband: 4-5	
				22#-大身: 棉 4-5 聚酯纤维 4-5 22#-Body:	
		沾色: Color Staining:	≥ 3		



检验项目 Test Items	评判依据 Requirement			测试结果 Result	结论 Conclusion
				Cotton 4-5 Polyester 4-5 22#-汗带: 棉 4-5 聚酯纤维 4-5 22#-Sweatband: Cotton 4-5 Polyester 4-5 23#-大身: 棉 4-5 聚酯纤维 4-5 23#-Body: Cotton 4-5 Polyester 4-5 23#-汗带: 棉 4-5 聚酯纤维 4-5 23#-Sweatband: Cotton 4-5 Polyester 4-5 24#-大身: 棉 4-5 聚酯纤维 4-5 24#-Body: Cotton 4-5 Polyester 4-5 24#-汗带: 棉 4-5 聚酯纤维 4-5 24#-Sweatband: Cotton 4-5 Polyester 4-5 25#-大身: 棉 4-5 聚酯纤维 4-5 25#-Body: Cotton 4-5 Polyester 4-5 25#-汗带: 棉 4-5 聚酯纤维 4-5 25#-Sweatband: Cotton 4-5 Polyester 4-5	

耐汗渍色牢度(酸性)
Colorfastness to Perspiration (Acid)

测试方法: Test Method: GB/T 3922-2013 (单位: 级) (Unit: Grade)	优等品 Superior	变色: Color Change:	≥ 4	符合 Pass
		沾色: Color Staining:	≥ 4	
	一等品 Class 1	变色: Color Change:	≥3-4	



检验项目 Test Items	评判依据 Requirement			测试结果 Result	结论 Conclusion
		沾色: Color Staining:	≥ 3-4		
	合格品 Qualified	变色: Color Change:	≥ 3 (婴幼儿用品 Infant≥ 3-4)	22#-大身: 4-5 22#-Body: 4-5 22#-汗带: 4-5 22#-Sweatband: 4-5 23#-大身: 4-5 23#-Body: 4-5 23#-汗带: 4-5 23#-Sweatband: 4-5 24#-大身: 4-5 24#-Body: 4-5 24#-汗带: 4-5 24#-Sweatband: 4-5 25#-大身: 4-5 25#-Body: 4-5 25#-汗带: 4-5 25#-Sweatband: 4-5	
		沾色: Color Staining:	≥ 3 (婴幼儿用品 Infant≥ 3-4)	22#-大身: 棉 4-5 聚酯纤维 4-5 22#-Body: Cotton 4-5 Polyester 4-5 22#-汗带: 棉 4-5 聚酯纤维 4-5 22#-Sweatband: Cotton 4-5 Polyester 4-5 23#-大身: 棉 4-5 聚酯纤维 4-5 23#-Body: Cotton 4-5 Polyester 4-5 23#-汗带: 棉 4-5 聚酯纤维 4-5 23#-Sweatband: Cotton 4-5 Polyester 4-5 24#-大身: 棉 4-5 聚酯纤维 4-5 24#-Body: Cotton 4-5 Polyester 4-5 24#-汗带: 棉 4-5	





检验项目 Test Items	评判依据 Requirement			测试结果 Result	结论 Conclusion
				聚酯纤维 4-5 24#-Sweatband: Cotton 4-5 Polyester 4-5 25#-大身: 棉 4-5 聚酯纤维 4-5 25#-Body: Cotton 4-5 Polyester 4-5 25#-汗带: 棉 4-5 聚酯纤维 4-5 25#-Sweatband: Cotton 4-5 Polyester 4-5	
耐汗渍色牢度(碱性) Colorfastness to Perspiration (Alkaline)					
测试方法: Test Method: GB/T 3922-2013 (单位: 级) (Unit: Grade)	优等品 Superior	变色: Color Change:	≥ 4		符合 Pass
		沾色: Color Staining:	≥ 4		
	一等品 Class 1	变色: Color Change:	≥3-4		
		沾色: Color Staining:	≥ 3-4		
	合格品 Qualified	变色: Color Change:	≥ 3 (婴幼儿用品 Infant≥ 3-4)	22#-大身: 4-5 22#-Body: 4-5 22#-汗带: 4-5 22#-Sweatband: 4-5	
				23#-大身: 4-5 23#-Body: 4-5 23#-汗带: 4-5 23#-Sweatband: 4-5	
				24#-大身: 4-5 24#-Body: 4-5 24#-汗带: 4-5 24#-Sweatband: 4-5	
				25#-大身: 4-5 25#-Body: 4-5 25#-汗带: 4-5 25#-Sweatband: 4-5	
		沾色: Color Staining:	≥ 3 (婴幼儿用品 Infant≥ 3-4)	22#-大身: 棉 4-5 聚酯纤维 4-5 22#-Body: Cotton 4-5 Polyester 4-5 22#-汗带: 棉 4-5	





检验项目 Test Items	评判依据 Requirement			测试结果 Result	结论 Conclusion
				聚酯纤维 4-5 22#-Sweatband: Cotton 4-5 Polyester 4-5 23#-大身: 棉 4-5 聚酯纤维 4-5 23#-Body: Cotton 4-5 Polyester 4-5 23#-汗带: 棉 4-5 聚酯纤维 4-5 23#-Sweatband: Cotton 4-5 Polyester 4-5 24#-大身: 棉 4-5 聚酯纤维 4-5 24#-Body: Cotton 4-5 Polyester 4-5 24#-汗带: 棉 4-5 聚酯纤维 4-5 24#-Sweatband: Cotton 4-5 Polyester 4-5 25#-大身: 棉 4-5 聚酯纤维 4-5 25#-Body: Cotton 4-5 Polyester 4-5 25#-汗带: 棉 4-5 聚酯纤维 4-5 25#-Sweatband: Cotton 4-5 Polyester 4-5	
耐水色牢度 Colorfastness to Water					
测试方法: Test Method: GB/T 5713-2013 (单位: 级) (Unit: Grade)	优等品 Superior	变色: Color Change:	≥ 4		符合 Pass
		沾色: Color Staining:	≥ 4		
	一等品 Class 1	变色: Color Change:	≥3-4		
		沾色:	≥ 3-4		





检验项目 Test Items	评判依据 Requirement		测试结果 Result	结论 Conclusion
	合格品 Qualified	Color Staining:		
		变色: Color Change:	≥ 3 (婴幼儿用品 Infant≥ 3-4)	
		沾色: Color Staining:	≥ 3 (婴幼儿用品 Infant≥ 3-4)	
			22#-大身: 4-5 22#-Body: 4-5 22#-汗带: 4-5 22#-Sweatband: 4-5 23#-大身: 4-5 23#-Body: 4-5 23#-汗带: 4-5 23#-Sweatband: 4-5 24#-大身: 4-5 24#-Body: 4-5 24#-汗带: 4-5 24#-Sweatband: 4-5 25#-大身: 4-5 25#-Body: 4-5 25#-汗带: 4-5 25#-Sweatband: 4-5	
			22#-大身: 棉 4-5 聚酯纤维 4-5 22#-Body: Cotton 4-5 Polyester 4-5 22#-汗带: 棉 4-5 聚酯纤维 4-5 22#-Sweatband: Cotton 4-5 Polyester 4-5 23#-大身: 棉 4-5 聚酯纤维 4-5 23#-Body: Cotton 4-5 Polyester 4-5 23#-汗带: 棉 4-5 聚酯纤维 4-5 23#-Sweatband: Cotton 4-5 Polyester 4-5 24#-大身: 棉 4-5 聚酯纤维 4-5 24#-Body: Cotton 4-5 Polyester 4-5 24#-汗带: 棉 4-5	



检验项目 Test Items	评判依据 Requirement			测试结果 Result	结论 Conclusion
				聚酯纤维 4-5 24#-Sweatband: Cotton 4-5 Polyester 4-5 25#-大身: 棉 4-5 聚酯纤维 4-5 25#-Body: Cotton 4-5 Polyester 4-5 25#-汗带: 棉 4-5 聚酯纤维 4-5 25#-Sweatband: Cotton 4-5 Polyester 4-5	
耐摩擦色牢度 Colorfastness to Rubbing					
测试方法: Test Method: GB/T 3920-2008 (单位: 级) (Unit: Grade)	优等品 Superior	干摩沾色 Dry staining:	≥ 4		符合 Pass
		湿摩沾色 Wet staining	浅色 Light ≥ 4		
			深色 Dark≥4		
	一等品 Class 1	干摩沾色 Dry staining:	≥ 3-4 (婴幼儿用品 Infant ≥ 4)		
		湿摩沾色 Wet staining	浅色 Light ≥ 3-4		
			深色 Dark ≥ 3 (婴幼儿用品 Infant ≥ 3-4)		
	合格品 Qualified	干摩沾色 Dry staining:	≥ 3 (婴幼儿用品 Infant ≥ 4)	22#-大身长度方向: 4-5 22#-Body Length: 4-5 22#-大身宽度方向: 4-5 22#- Body Width: 4-5 22#-汗带: 4-5 22#-Sweatband: 4-5	
				23#-大身长度方向: 4-5 23#-Body Length: 4-5 23#-大身宽度方向: 4-5 23#- Body Width: 4-5 23#-汗带: 4-5 23#-Sweatband: 4-5	
				24#-大身长度方向: 4-5 24#-Body Length: 4-5 24#-大身宽度方向: 4-5 24#- Body Width: 4-5 24#-汗带: 4-5	

检验项目 Test Items	评判依据 Requirement			测试结果 Result	结论 Conclusion
				24#-Sweatband: 4-5 25#-大身长度方向: 4-5 25#-Body Length: 4-5 25#-大身宽度方向: 4-5 25#- Body Width: 4-5 25#-汗带: 4-5 25#-Sweatband: 4-5	
		湿摩沾色 Wet staining	浅色 Light ≥ 3	22#-大身长度方向: 3-4 22#-Body Length: 3-4 22#-大身宽度方向: 3-4 22#- Body Width: 3-4 22#-汗带: 3-4 22#-Sweatband: 3-4 23#-大身长度方向: 4 23#-Body Length: 4 23#-大身宽度方向: 4 23#- Body Width: 4 23#-汗带: 4 23#-Sweatband: 4 24#-大身长度方向: 4-5 24#-Body Length: 4-5 24#-大身宽度方向: 4-5 24#- Body Width: 4-5 24#-汗带: 4-5 24#-Sweatband: 4-5 25#-大身长度方向: 4-5 25#-Body Length: 4-5 25#-大身宽度方向: 4-5 25#- Body Width: 4-5 25#-汗带: 4-5 25#-Sweatband: 4-5	
			深色 Dark ≥ 2-3 (婴幼儿用品 Infant ≥ 3)		
耐光照色牢度 Colorfastness to Light					
测试方法: Test Method: GB/T 8427-2008 (单位: 级) (Unit: Grade)	优等品 Superior	变色: Color Change:	≥ 4		符合 Pass
	一等品 Class 1	变色: Color Change:	≥ 4		
	合格品 Qualified	变色: Color Change:	≥ 3	22#-大身: >3 22#-Body: >3 23#-大身: >3 23#-Body: >3 24#-大身: >3 24#-Body: >3 25#-大身: >3 25#-Body: >3	
纤维含量					

检验项目 Test Items	评判依据 Requirement		测试结果 Result	结论 Conclusion
Fiber Content				
测试方法: Test Method: FZ/T 01057.1~4-2007 & GB/T 2910.12-2009	优等品 Superior	符合 GB/T 29862-2013 Comply With GB/T 29862-2013 客供的纤维含量: 面布: 65%聚酯纤维, 35%棉 衬里: 65%聚酯纤维, 35%棉 Claim fiber content: Shell:65% Polyester, 35% Cotton Lining: 65% Polyester, 35% Cotton	22#-面布:61.3%聚酯纤维, 38.7%棉 22#-衬里 : 61.4%聚酯纤维, 38.6%棉 22#-Shell: 61.3% Polyester, 38.7% Cotton 22#-Lining: 61.4% Polyester, 38.6% Cotton 23#-面布: 63.9%聚酯纤维, 36.1%棉 23#-衬里 : 64.0%聚酯纤维, 36.0%棉 23#-Shell: 63.9% Polyester, 36.1% Cotton 23#-Lining: 64.0% Polyester, 36.0% Cotton 24#-面布: 64.8%聚酯纤维, 35.2%棉 24#-衬里 : 64.6%聚酯纤维, 35.4%棉 24#-Shell: 64.8% Polyester, 35.2% Cotton 24#-Lining: 64.6% Polyester, 35.4% Cotton 25#-面布: 63.9%聚酯纤维, 36.1%棉 25#-衬里 : 64.6%聚酯纤维, 35.4%棉 25#-Shell: 63.9% Polyester, 36.1% Cotton 25#-Lining: 64.6% Polyester, 35.4% Cotton	符合 Pass
	一等品 Class 1			
	合格品 Qualified			
异味 Odour				
测试方法: Test Method: GB 18401-2010 6.7	A 类: Type A:	无异味 No odour	22#: 无异味 22#: No odour 23#: 无异味 23#: No odour 24#: 无异味 24#: No odour 25#: 无异味 25#: No odour	符合 Pass
	B 类: Type B:			



报告编号
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备注：灰卡评级为 1 至 5 级，1 级为最差，5 级为最好

Remark: Grey Scale rating is based on the 5-step scale of 1 to 5, where 1 is bad and 5 is good.



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Verify Report

详细结果

Detailed results

GB 18401-2010 国家纺织产品基本安全技术规范

GB 18401-2010 National general safety technical code for textile products

检验项目 Test Items	评判依据 Requirement		测试结果 Result		结论 Conclusion
耐水色牢度 Colorfastness to Water					
测试方法: Test Method: GB/T 5713-2013 (单位: 级) (Unit: Grade)	A 类: Type A:	变色: Color Change:	≥3-4	-	符合 Pass
		沾色: Color Staining:	≥3-4	-	
	B 类: Type B:	变色: Color Change:	≥3	22#-大身: 4-5 22#-Body: 4-5 22#-汗带: 4-5 22#-Sweatband: 4-5 23#-大身: 4-5 23#-Body: 4-5 23#-汗带: 4-5 23#-Sweatband: 4-5 24#-大身: 4-5 24#-Body: 4-5 24#-汗带: 4-5 24#-Sweatband: 4-5 25#-大身: 4-5 25#-Body: 4-5 25#-汗带: 4-5 25#-Sweatband: 4-5	
沾色: Color Staining:	≥3	22#-大身: 棉 4-5 聚酯纤维 4-5 22#-Body: Cotton 4-5 Polyester 4-5 22#-汗带: 棉 4-5 聚酯纤维 4-5 22#-Sweatband: Cotton 4-5 Polyester 4-5 23#-大身: 棉 4-5 聚酯纤维 4-5 23#-Body: Cotton 4-5 Polyester 4-5 23#-汗带: 棉 4-5			

检验项目 Test Items	评判依据 Requirement			测试结果 Result	结论 Conclusion
				聚酯纤维 4-5 23#-Sweatband: Cotton 4-5 Polyester 4-5 24#-大身: 棉 4-5 聚酯纤维 4-5 24#-Body: Cotton 4-5 Polyester 4-5 24#-汗带: 棉 4-5 聚酯纤维 4-5 24#-Sweatband: Cotton 4-5 Polyester 4-5 25#-大身: 棉 4-5 聚酯纤维 4-5 25#-Body: Cotton 4-5 Polyester 4-5 25#-汗带: 棉 4-5 聚酯纤维 4-5 25#-Sweatband: Cotton 4-5 Polyester 4-5	
	C 类: Type C:	变色: Color Change:	≥3	-	
		沾色: Color Staining:	≥3	-	
	耐汗渍色牢度(酸性) Colorfastness to Perspiration (Acid)				
测试方法: Test Method: GB/T 3922-2013 (单位: 级) (Unit: Grade)	A 类: Type A:	变色: Color Change:	≥3-4	-	符合 Pass
		沾色: Color Staining:	≥3-4	-	
	B 类: Type B:	变色: Color Change:	≥3	22#-大身: 4-5 22#-Body: 4-5 22#-汗带: 4-5 22#-Sweatband: 4-5 23#-大身: 4-5 23#-Body: 4-5 23#-汗带: 4-5 23#-Sweatband: 4-5 24#-大身: 4-5 24#-Body: 4-5 24#-汗带: 4-5 24#-Sweatband: 4-5	



检验项目 Test Items	评判依据 Requirement			测试结果 Result	结论 Conclusion
		沾色: Color Staining:	≥3	25#-大身: 4-5 25#-Body: 4-5 25#-汗带: 4-5 25#-Sweatband: 4-5	
				22#-大身: 棉 4-5 聚酯纤维 4-5 22#-Body: Cotton 4-5 Polyester 4-5 22#-汗带: 棉 4-5 聚酯纤维 4-5 22#-Sweatband: Cotton 4-5 Polyester 4-5	
				23#-大身: 棉 4-5 聚酯纤维 4-5 23#-Body: Cotton 4-5 Polyester 4-5 23#-汗带: 棉 4-5 聚酯纤维 4-5 23#-Sweatband: Cotton 4-5 Polyester 4-5	
				24#-大身: 棉 4-5 聚酯纤维 4-5 24#-Body: Cotton 4-5 Polyester 4-5 24#-汗带: 棉 4-5 聚酯纤维 4-5 24#-Sweatband: Cotton 4-5 Polyester 4-5	
				25#-大身: 棉 4-5 聚酯纤维 4-5 25#-Body: Cotton 4-5 Polyester 4-5 25#-汗带: 棉 4-5 聚酯纤维 4-5 25#-Sweatband: Cotton 4-5	



检验项目 Test Items	评判依据 Requirement			测试结果 Result	结论 Conclusion
				Polyester 4-5	
	C 类: Type C:	变色: Color Change:	≥3	-	
		沾色: Color Staining:	≥3	-	
耐汗渍色牢度(碱性) Colorfastness to Perspiration (Alkaline)					
测试方法: Test Method: GB/T 3922-2013 (单位: 级) (Unit: Grade)	A 类: Type A:	变色: Color Change:	≥3-4	-	符合 Pass
		沾色: Color Staining:	≥3-4	-	
	B 类: Type B:	变色: Color Change:	≥3	22#-大身: 4-5 22#-Body: 4-5 22#-汗带: 4-5 22#-Sweatband: 4-5 23#-大身: 4-5 23#-Body: 4-5 23#-汗带: 4-5 23#-Sweatband: 4-5 24#-大身: 4-5 24#-Body: 4-5 24#-汗带: 4-5 24#-Sweatband: 4-5 25#-大身: 4-5 25#-Body: 4-5 25#-汗带: 4-5 25#-Sweatband: 4-5	
				沾色: Color Staining:	

检验项目 Test Items	评判依据 Requirement			测试结果 Result	结论 Conclusion
				Polyester 4-5 24#-大身: 棉 4-5 聚酯纤维 4-5 24#-Body: Cotton 4-5 Polyester 4-5 24#-汗带: 棉 4-5 聚酯纤维 4-5 24#-Sweatband: Cotton 4-5 Polyester 4-5 25#-大身: 棉 4-5 聚酯纤维 4-5 25#-Body: Cotton 4-5 Polyester 4-5 25#-汗带: 棉 4-5 聚酯纤维 4-5 25#-Sweatband: Cotton 4-5 Polyester 4-5	
	C 类: Type C:	变色: Color Change:	≥3	-	
		沾色: Color Staining:	≥3	-	
	耐摩擦色牢度 Colorfastness to Rubbing				
测试方法: Test Method: GB/T 3920-2008 (单位: 级) (Unit: Grade)	A 类: Type A:	干摩沾色 Dry staining:	≥4	-	符合 Pass
	B 类: Type B:	干摩沾色 Dry staining:	≥3	22#-大身长度方向: 4-5 22#-Body Length: 4-5 22#-大身宽度方向: 4-5 22#- Body Width: 4-5 22#-汗带: 4-5 22#-Sweatband: 4-5 23#-大身长度方向: 4-5 23#-Body Length: 4-5 23#-大身宽度方向: 4-5 23#- Body Width: 4-5 23#-汗带: 4-5 23#-Sweatband: 4-5 24#-大身长度方向: 4-5 24#-Body Length: 4-5 24#-大身宽度方向: 4-5 24#- Body Width: 4-5 24#-汗带: 4-5	

检验项目 Test Items	评判依据 Requirement			测试结果 Result	结论 Conclusion
				24#-Sweatband: 4-5 25#-大身长度方向: 4-5 25#-Body Length: 4-5 25#-大身宽度方向: 4-5 25#- Body Width: 4-5 25#-汗带: 4-5 25#-Sweatband: 4-5	
	C 类: Type C:	干摩沾色 Dry staining:	≥3	-	
纺织品异味测试 Determination of Abnormal Odor in Textiles					
测试方法: Test Method: GB 18401-2010 6.7	A 类: Type A:	无异味 No odour	-		符合 Pass
	B 类: Type B:		22#: 无异味 22#: No odour 23#: 无异味 23#: No odour 24#: 无异味 24#: No odour 25#: 无异味 25#: No odour		
	C 类: Type C:		-		

备注：灰卡评级为 1 至 5 级，1 级为最差，5 级为最好
Remark: Grey Scale rating is based on the 5-step scale of 1 to 5, where 1 is bad and 5 is good.

样本描述

Specimen description

样本编号	样本描述	部位
Specimen #	Specimen description	Location
1	黑色面料 Black textile	黑色款-大身 Main body (black style)
2	黑色面料带灰色涂层 Grey coated black textile	黑色款-内包边 Inner edge (black style)
3	黑色无纺布 Black non-woven textile	黑色款-汗带夹层 Sweatband filler (black style)
4	白色无纺布 White non-woven textile	黑色款-尾带夹层 Tail filler (all styles)
5	白色面料带白色软塑料和胶 White textile with white soft plastic and glue	黑色款-前围夹层 Front surround filler (black style)
6	黑色毛毡 Black felt	黑色款-汗带底 Sweatband base (black style)
7	红色/黑色面料 Red/black textile	黑色款/红色款-帽檐包边 Brim edge (black style/red style)
8	灰色绣线 Grey embroidery thread	灰色款-气眼 Eyelet (grey style)
9	黑色绣线 Black embroidery thread	黑色款-气眼 Eyelet (black style)
10	红色面料 Red textile	红色款-大身 Main body (red style)
11	红色面料带黑色涂层 Black coated red textile	红色款-内包边 Inner edge (red style)
12	白色无纺布 White non-woven textile	红色款-汗带夹层 Sweatband filler (red style)
13	白色毛毡 White felt	红色款-汗带底 Sweatband base (red style)
14	红色绣线 Red embroidery thread	红色款-气眼 Eyelet (red style)
15	白色面料 White textile	白色款-大身 Main body (white style)
16	白色面料带黑色涂层 Black coated white textile	白色款-内包边 Inner edge (white style)
17	白色/黑色面料 White/black textile	白色款-帽檐包边 Brim edge (white style)
19	灰色面料 Grey textile	灰色款-大身 Main body (grey style)
20	灰色面料带黑色涂层 Black coated grey textile	灰色款-内包边 Inner edge (grey style)
21	灰色/黑色面料 Grey/black textile	灰色款-帽檐包边 Brim edge (grey style)



样本描述
Specimen description

样本编号 Specimen #	样本描述 Specimen description	部位 Location
22	黑色帽子 Black cap	成品 Finished product
23	红色帽子 Red cap	成品 Finished product
24	白色帽子 White cap	成品 Finished product
25	灰色帽子 Grey cap	成品 Finished product
26	黑色帽子（重测） Black cap (retest)	成品 Finished product
27	红色帽子（重测） Red cap (retest)	成品 Finished product
28	白色帽子（重测） White cap (retest)	成品 Finished product
29	灰色帽子（重测） Grey cap (retest)	成品 Finished product





图片 Pictures

样品图片:
Sample photo:



报告结束
End of the report

本报告中的测试结果和结论仅与收到的样品和本报告所述测试的方法/法规部分有关。如果报告中没有进一步说明，符合性声明基于启迈判定规则，详见 (<https://www.qima.com/conditions-of-service#decisionRule>)。未经启迈（杭州）检测有限公司书面批准，本检测报告不允许全部或者部分复制。
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