

桐乡市格林纺织品有限公司
桐乡市梧桐工业园区环城东路 3852 号

本报告是发布日期为 2019 年 08 月 16 日编号为 SL519152786698TX 英文检测报告的中文译本。
中英文版本如有歧义时，以英文版为准。

下列样品由客户提供及确认： -

样品描述 割绒面料：100%涤纶，颜色为驼色，用于家纺家居家装，如家具，软包，靠包等
款号 ZA-015
原产国 中国
使用标签 

检验项目 根据申请者的要求

* * * * *

收样日期 2019 年 08 月 09 日

测试周期 2019 年 08 月 12 日-2019 年 08 月 16 日

测试结果 检测结果仅对来样负责，详细的检验结果如下

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陈蔚(客户主任)



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检验结果

干洗尺寸稳定性

(ISO 3759:2011/ISO 3175-2:2017; 常规材料)

1次干洗后

长度方向 (%)	-0.2
宽度方向 (%)	-0.6

备注: (+) 表示伸长 (-) 表示收缩

干洗色牢度 (ISO 105 D01: 2010)

原样变色	4-5*
多纤维贴衬沾色	
醋酯	4-5
棉	4-5
尼龙	4-5
涤纶	4-5
腈纶	4-5
羊毛	4-5

*反面变色 3-4

备注: 灰卡评级为一至五级, 1级为最差, 5级为最好。

耐摩擦色牢度 (ISO 105X12: 2016; 摩擦头尺寸: 19x25.4mm)

干摩沾色	4-5
湿摩沾色	4-5

备注: 灰卡评级为一至五级, 1级为最差, 5级为最好。

耐光照色牢度

(ISO 105-B02:2014; 使用氙弧灯, 暴晒循环 A1, 未采用翻转模式)

光照 4级

评级(标准蓝色羊毛) 4



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干洗后外观

(In House Method;SL-TM-DIM-001;干洗程序同缩率。)

1 次干洗后

评级:

- 1. 颜色变化 : 反面: 3-4 , 正面: 4-5
- 2. 脱毛 : 无明显变化

试样干洗后外观不符合普通要求, 详见 第 1 点。

备注: 灰卡评级为一至五级, 1 级为最差, 5 级为最好。

抗起毛起球性 (ISO 12945-1: 2000; 在 ICI 起毛起球试验仪内转 18000 转)

原样

评级 4-5

备注: 起毛起球评级

- 5 无起毛起球
- 4 轻微起毛起球
- 3 中等程度的起毛起球
- 2 严重的起毛起球
- 1 非常严重的起毛起球

耐磨性 (ISO 12947-2:2016; 马丁代尔耐磨仪; 负荷 12 kPa)

最终旋转圈数 (转) >50000

游离甲醛含量

测试方法: 参考 ISO 14184-1:2011—纺织品—甲醛测试方法 1: 游离甲醛 (水萃取法)。采用 UV/VIS 分光光度计进行分析。

结果
(mg/kg)

甲醛 ND

备注: ND = 未检出
1ppm=1mg/kg
检测极限 = 16 mg/kg



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偶氮染料

测试方法:

所有纺织品: 参照 EN 14362-1:2012 - 采用 GC-MS/HPLC-DAD 进行分析。

芳香胺	测试结果		最大限量 (mg/kg)
	CAS No.	(mg/kg)	
4-氨基联苯	92-67-1	ND	30
联苯胺	92-87-5	ND	30
4-氯邻甲苯	95-69-2	ND	30
2-萘胺	91-59-8	ND	30
邻氨基二甲基偶氮苯	97-56-3	ND	30
2-氨基-4-硝基甲苯	99-55-8	ND	30
对氯苯胺	106-47-8	ND	30
2, 4-二氨基苯甲醚	615-05-4	ND	30
4, 4' -二氨基二苯甲烷	101-77-9	ND	30
3, 3' -二氯联苯胺	91-94-1	ND	30
3, 3' -二甲氧基联苯胺	119-90-4	ND	30
3, 3' -二甲基联苯胺	119-93-7	ND	30
3, 3' -二甲基-4, 4' -二氨基二苯甲烷	838-88-0	ND	30
3-氨基对甲苯甲醚 (p-克利酞)	120-71-8	ND	30
4, 4' -次甲基-双- (2-氯苯胺)	101-14-4	ND	30
4, 4' -二氨基二苯醚	101-80-4	ND	30
4, 4' -二氨基二苯硫醚	139-65-1	ND	30
邻甲苯胺	95-53-4	ND	30
2, 4-二氨基甲苯	95-80-7	ND	30
2, 4, 5-三甲苯胺	137-17-7	ND	30
邻甲氧基苯胺	90-04-0	ND	30
4-氨基偶氮苯	60-09-3	ND	30
结论		合格	

Note: ND = 未检出 (<MDL)
MDL (方法检测限) = 5 mg/kg (单个苯胺)

4-氨基联苯 (CAS No. 92-67-1), 2-萘胺 (CAS number 91-59-8), 2, 4-二氨基苯甲醚 (CAS No. 615-05-4) 有检出时, 如果没有进一步的信息 (如染料的化学结构) 提供, 并不能确认使用了禁用的偶氮染料。

当样品中含有聚氨酯材料 (如含 PU 泡沫、PU 涂层和 PU 胶印) 时, 某些胺类, 若 4, 4' -二氨基二苯甲烷 (MDA, CAS No. 101-77-9) 和 2, 4-二氨基甲苯 (TDA, CAS No. 95-80-7) 有检出, 并不能确认其来自 PU 材料而非禁用偶氮染料。



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当样品中含有胶印时，若 4,4'-二氨基二苯甲烷(MDA, CAS No. 101-77-9)有检出，需要注意该物质可能不是来源于禁用的偶氮染料，而是来源于其它物料，如化学固色剂。

EN 14362-1:2012 方法会使 4-氨基偶氮苯(CAS No:60-09-3)在本实验条件下进一步裂解为非禁用的胺:苯胺和 1,4-苯二胺。如果经上述测试方法没有检出苯胺和/或 1,4-苯二胺(i.e. <5mg/kg)，则认为 4-氨基偶氮苯(CAS No:60-09-3)“未检出”(i.e. <5mg/kg)。否则，将采用 EN 14362-3:2012 方法验证 4-氨基偶氮苯的存在。

“最大限量”由修订 REACH 法规 (EC) No 1907/2006 附录 XVII(取代先前 2002/61/EC)的法规 (EC) No 552/2009 中条例 43 指定。

定性列表

纤维类型*	编号
A 类	/
B 类	割绒面料
C 类	/

* 该成份定性用于偶氮检测时方法的选择 (i.e. EN 14362-1/3:2012).

备注:
A 类= 只含有天然纤维或再生纤维素纤维的纺织品 (醋酸类纤维除外)
B 类= 只含涤纶的纺织品
C 类= 含人造纤维或人造纤维混纺而成的纺织品 (涤纶除外)

备注:根据客户声称成分选择纤维类型

检测报告仅用于客户科研、教学、内部质量控制、产品研发等目的，仅供内部参考。

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