

测试报告

No. CANML1810323102

日期: 2018年05月31日 第1页,共6页

深圳市铭朗纺织科技有限公司

深圳市平湖镇永华街1号2栋

以下测试之样品是由申请者所提供及确认: 亚麻蜡线

SGS工作编号: SZIN1805006806PC - SZ

客户参考信息: 亚麻

规格: M50

样品接收日期: 2018年05月26日

测试周期: 2018年05月26日 - 2018年05月31日

测试要求: 根据客户要求测试

测试方法: 请参见下一页

测试结果: 请参见下一页

结论: 按客户要求对样品进行测试, 所提供样品的可溶性元素含量的测试结果不超过欧洲玩具安全标准EN 71-3:2013+A2:2017的限值。

通标标准技术服务有限公司广州分公司
授权签名

许锋华

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批准签署人



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测试结果:

测试样品描述:

| 样品编号 | SGS样品ID | 描述 |
|------|------------------|-----|
| SN1 | CAN18-103231.001 | 棕色线 |

备注:

- (1) 1 mg/kg = 1 ppm = 0.0001%
- (2) MDL = 检测极限值
- (3) ND = 未检出 (< MDL)
- (4) "-" = 未规定

EN 71-3:2013+A2:2017 - 可溶性元素含量(类别III:可刮取的玩具材料)

测试方法: 参考EN 71-3:2013+A2:2017, 采用 ICP-OES进行分析。

| 测试项目 | 限值 | 单位 | MDL | 001 |
|------------------|---------|-------|------|-----|
| 可溶性铝(Al) | 70,000 | mg/kg | 50 | ND |
| 可溶性锑(Sb) | 560 | mg/kg | 10 | ND |
| 可溶性砷(As) | 47 | mg/kg | 10 | ND |
| 可溶性钡(Ba) | 18,750 | mg/kg | 50 | ND |
| 可溶性硼(B) | 15,000 | mg/kg | 50 | ND |
| 可溶性镉(Cd) | 17 | mg/kg | 5 | ND |
| 可溶性三价铬(Cr (III)) | 460 | mg/kg | 5 | ND |
| 可溶性六价铬(Cr (VI)) | 0.2 | mg/kg | 0.18 | ND |
| 可溶性钴(Co) | 130 | mg/kg | 10 | ND |
| 可溶性铜(Cu) | 7,700 | mg/kg | 50 | ND |
| 可溶性铅(Pb) | 160 | mg/kg | 10 | ND |
| 可溶性锰(Mn) | 15,000 | mg/kg | 50 | ND |
| 可溶性汞(Hg) | 94 | mg/kg | 10 | ND |
| 可溶性镍(Ni) | 930 | mg/kg | 10 | ND |
| 可溶性有机锡 | 12 | mg/kg | - | ND |
| 可溶性硒(Se) | 460 | mg/kg | 10 | ND |
| 可溶性锶(Sr) | 56,000 | mg/kg | 50 | ND |
| 可溶性锡(Sn) | 180,000 | mg/kg | 4.9 | ND |
| 可溶性锌(Zn) | 46,000 | mg/kg | 50 | ND |

备注:



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- 1 可溶性三价铬=可溶性总铬-可溶性六价铬
- 2.如果可溶性总铬的结果, 不超过EN 71-3:2013+A2:2017规定的可溶性三价铬和可溶性六价铬的要求, 则不要要求做可溶性三价铬和可溶性六价铬的确认性测试。
- 3.如果可溶性总锡的结果, 经过换算后不超过EN 71-3:2013+A2:2017规定的可溶性有机锡的要求, 则不要要求做可溶性有机锡的确认性测试。

甲醛

测试方法: 参考GB/T 2912.1-2009, 用UV-Vis分析。

| 测试项目 | 单位 | MDL | 001 |
|---------|-------|-----|-----|
| 游离和水解甲醛 | mg/kg | 20 | ND |

偶氮

测试方法: 参照BS EN 14362-1:2012, 采用GC-MS/HPLC-DAD进行分析, 确定4-氨基偶氮苯(CAS No.:60 09 3) -EN14362-3:2012, 采用GC-MS进行分析。

| 测试项目 | CAS NO. | 限值 | 单位 | MDL | 001 |
|-------------|----------|----|-------|-----|-----|
| 4-氨基联苯 | 92-67-1 | 30 | mg/kg | 5 | ND |
| 联苯胺 | 92-87-5 | 30 | mg/kg | 5 | ND |
| 4-氯邻甲苯 | 95-69-2 | 30 | mg/kg | 5 | ND |
| 2-萘胺 | 91-59-8 | 30 | mg/kg | 5 | ND |
| 邻氨基二甲基偶氮苯 | 97-56-3 | 30 | mg/kg | 5 | ND |
| 2-氨基-4-硝基甲苯 | 99-55-8 | 30 | mg/kg | 5 | ND |
| 对氯苯胺 | 106-47-8 | 30 | mg/kg | 5 | ND |



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| 测试项目 | CAS NO. | 限值 | 单位 | MDL | 001 |
|-----------------------|----------|----|-------|-----|-----|
| 2,4-二氨基苯甲醚 | 615-05-4 | 30 | mg/kg | 5 | ND |
| 4,4'-二氨基二苯甲烷 | 101-77-9 | 30 | mg/kg | 5 | ND |
| 3,3'-二氯联苯胺 | 91-94-1 | 30 | mg/kg | 5 | ND |
| 3,3'-二甲氧基联苯胺 | 119-90-4 | 30 | mg/kg | 5 | ND |
| 3,3'-二甲基联苯胺 | 119-93-7 | 30 | mg/kg | 5 | ND |
| 3,3'-二甲基-4,4'-二氨基二苯甲烷 | 838-88-0 | 30 | mg/kg | 5 | ND |
| 3-氨基对甲苯甲醚(p-克利酐) | 120-71-8 | 30 | mg/kg | 5 | ND |
| 4,4'-次甲基-双-(2-氯苯胺) | 101-14-4 | 30 | mg/kg | 5 | ND |
| 4,4'-二氨基二苯醚 | 101-80-4 | 30 | mg/kg | 5 | ND |
| 4,4'-二氨基二苯硫醚 | 139-65-1 | 30 | mg/kg | 5 | ND |
| 邻甲苯胺 | 95-53-4 | 30 | mg/kg | 5 | ND |
| 2,4-二氨基甲苯 | 95-80-7 | 30 | mg/kg | 5 | ND |
| 2,4,5-三甲苯胺 | 137-17-7 | 30 | mg/kg | 5 | ND |
| 4-氨基偶氮苯 | 60-09-3 | 30 | mg/kg | 5 | ND |



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| 测试项目 | CAS NO. | 限值 | 单位 | MDL | 001 |
|-----------|---------|----|-------|-----|-----|
| 邻甲氧基苯胺 | 90-04-0 | 30 | mg/kg | 5 | ND |
| 2,4-二甲基苯胺 | 95-68-1 | 30 | mg/kg | 5 | ND |
| 2,6-二甲基苯胺 | 87-62-7 | 30 | mg/kg | 5 | ND |

评论

符合

备注:

(1)BS EN 14362-1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, 因此, 采用EN14362-3:2012方法验证4 氨基偶氮苯的存在.

(2)最大允许极限值引用自1907/2006/EC Reach附录XVII的修正指令——552/2009/EC第43条(前身为2002/61/EC).

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.

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.



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