

紡織實驗室

Test Report 報告號碼: TX41217 /2022 /LR 日期: 2022 年 04 月 21 日 頁數: 五 之 一 頁

迪摩凱斯國際股份有限公司
新竹市香山區中埔里牛埔路 229 號

我們依照客戶的要求, 根據申請者送交的樣品進行測試如下:

樣品敘述 : 一條編織繩子

顏色 : 黑色

成份 : 滌綸低彈絲

原產國家 : 中國

申請者 : 迪摩凱斯國際股份有限公司

收件日期 : 2022 年 04 月 14 日

測試週期 : 2022 年 04 月 14 日至 2022 年 04 月 21 日

測試要求 : 依申請者要求檢測中華民國國家標準 CNS 15290 L1036 紡織品安全規範(一般要求)部份項目:
1) 偶氮
2) 游離甲醛
3) 有機錫
4) 壬基酚聚氧乙烯醚及壬基酚

測試結果 : 請參照下一頁結果

台灣檢驗科技股份有限公司

郭靈
主任



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測試結果:

1. 偶氮

測試方法: 依中華民國國家標準 CNS 16113-1 L3280-1/ CNS 16113-3 L3280-3 使用氣相層析質譜儀/高效液相層析儀二極體陣列偵測器檢測

禁用胺類

測試結果
(毫克/公斤)

CNS 15290
上限值
(毫克/公斤)

	CAS No.	經萃取	
對-胺基聯苯	92-67-1	未偵測出	30
聯苯胺	92-87-5	未偵測出	30
對-氯-鄰-甲苯胺	95-69-2	未偵測出	30
2-萘胺	91-59-8	未偵測出	30
鄰-胺基偶氮甲苯	97-56-3	未偵測出	30
5-硝基-鄰-甲苯胺	99-55-8	未偵測出	30
4-氯苯胺	106-47-8	未偵測出	30
2,4-二氨基苯甲醚	615-05-4	未偵測出	30
4,4'-二胺基二苯甲烷	101-77-9	未偵測出	30
二氯聯苯胺	91-94-1	未偵測出	30
二甲氧基聯苯胺	119-90-4	未偵測出	30
鄰-二甲基聯苯胺	119-93-7	未偵測出	30
3,3'-二甲基 4,4'-二胺基-二苯甲烷	838-88-0	未偵測出	30
2-甲氧基-5-甲基苯胺	120-71-8	未偵測出	30
4,4'-亞甲雙(2-氯苯胺)	101-14-4	未偵測出	30
4,4'-二胺基二苯醚	101-80-4	未偵測出	30
4,4'-硫二苯胺	139-65-1	未偵測出	30
鄰-甲苯胺	95-53-4	未偵測出	30
2,4-甲苯二胺	95-80-7	未偵測出	30
2,4,5-三甲苯胺	137-17-7	未偵測出	30
鄰-甲氧基苯胺	90-04-0	未偵測出	30
4-胺基偶氮苯	60-09-3	未偵測出	30

樣品敘述:

1. 黑色編織繩子(整條繩子)

備註: 報告極限值: 5 毫克/公斤.

當 4-氨基聯苯 (CAS NO. 92-67-1), 2-萘胺 (CAS NO. 91-59-8) 及 2,4-二氨基甲苯 (CAS NO. 615-05-4) 被檢測出時, 這些被禁用的偶氮染料需有額外資訊才能確切地被證實。

假如有使用聚胺酯材質, 例如: 聚胺酯泡棉或塗層時, MDA (CAS NO. 101-77-9) 及 TDA (CAS NO. 95-80-7) 是無法被排除, 這些胺類是從聚胺酯中釋出而不是來自被禁用的偶氮染料。同樣的, 色料印刷材質, MDA 來源不是從禁用的偶氮染料中釋出而是來自化學固色劑。

中華民國標準 CNS 16113-1 L3280-1 會進一步將 4-AAB (Cas No. 60-09-3) 裂解成非禁用的胺: 苯胺和對苯二胺。如果未發現苯胺和/或對苯二胺, 則 4-AAB 被認為是“未檢測出”(即 <5.0 毫克/公斤)。否則, 將採用 CNS 16113-3 L3280-3 來驗證 4-AAB 的存在。

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測試結果:

2. 游離甲醛

測試方法: 依中華民國國家標準 CNS 15580-1 L3271-1 紡織品 - 甲醛檢測法
- 第一部 游離及水解甲醛 (水萃取法) - 使用紫外光/可見光分光光譜儀分析。

	測試結果 (毫克/公斤)	CNS 15290 上限值 (毫克/公斤)			
		嬰幼兒	與皮膚 直接接觸	與皮膚 非直接接觸	室內 裝飾
	<u>1</u>				
游離甲醛	未偵測出	20	75	300	300

樣品敘述:

1. 黑色編織繩子(整條繩子)

備註: 報告極限值: 16 毫克/公斤

3. 有機錫

測試方法: 依中華民國國家標準 CNS 15290 L1036 5.4 節/CNS 15853-1 S2180-1, 使用氣相層析質譜儀(GC/MS)分析

	測試結果 (毫克/公斤)	CNS 15290 上限值 (毫克/公斤)			
		嬰幼兒	與皮膚 直接接觸	與皮膚 非直接接觸	室內 裝飾
	<u>1</u>				
三丁基錫 (TBT)	未偵測出	0.5	1.0	1.0	1.0
三苯基錫 (TPT)	未偵測出	0.5	1.0	1.0	1.0

樣品敘述:

1. 黑色編織繩子(整條繩子)

備註: 報告極限值: 0.1 毫克/公斤

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測試結果:

4. 壬基酚聚氧乙烯醚 (NPEO)及壬基酚 (NP)

測試方法: 依中華民國標準 CNS 15579 L3270. 使用液相層析/質譜儀分析.

	結果 (毫克/公斤)	CNS 15290 上限值 (毫克/公斤)
	1	
壬基酚聚氧乙烯醚	未偵測出	/
壬基酚	未偵測出	/
總含量	未偵測出	1000

樣品敘述:

1. 黑色編織繩子(整條繩子)

備註: 報告極限值: 壬基酚聚氧乙烯醚: 1 毫克/公斤
壬基酚: 10 毫克/公斤

以上測試由 SGS 相關實驗室執行

備註: 測試報告僅就委託者之委託事項提供測試結果, 不對產品合法性做判斷。

*** 結 束 ***

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