Test Report 測試報告

Number : TWNC01414652
報告號碼

Applicant: SUN SIN JIA CO., LTD.
申請廠商 三新甲有限公司
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台中市梧棲區自立路 110 號

Issue Date : Dec 22, 2025
報告發行日期

Sample Description 樣品敘述:

One (1) Group of Submitted Samples Said To Be:
壹(一)件所送檢樣品據指(各)為:

Name of Sample 樣品名稱	: 三新立潔超濃縮洗留香洗衣露
Manufacturing Date (MFG) 製造日期	: 20251125
Expiry Date (EXP) 有效日期	: 20281125
Country of Origin 原產地	: Taiwan 台灣
Manufacturer 製造廠商	: SUN SIN JIA CO., LTD. 三新甲有限公司
Responsible Domestic Company 國內負責廠商	: SUN SIN JIA CO., LTD. 三新甲有限公司
Concentration of Use 使用濃度	: 50cc 洗衣精稀釋 50 公升水
Date Sample Received 樣品收到日期	: Dec 02, 2025
Date Test Started 開始測試日期	: Dec 03, 2025

Test Conducted 測試內容:

Tests were conducted by applicant's request, for details please refer to attached pages.
依據客戶要求執行測試，結果請參考附頁。

Authorized By 審核者:
On behalf of Intertek Testing Services Taiwan Limited
全國公證檢驗股份有限公司

Matt Wang 王政雄
General Manager 總經理

Signed by 報告簽署人:

Thomas Chou 周世民
Manager 經理

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Test Conducted 測試內容：

1. Toxic Elements Content 重金屬元素分析

With reference to CNS 4797-2 (2022/02/18, errata 2023/06/01)-Safety of Toys - Part 2:Migration of Certain Elements, acid extraction method was used and toxic elements content were determined by Inductively Coupled Plasma-Optical Emission Spectrometer (ICP-OES).
依據客戶要求參考 CNS 4797-2(111 年 2 月 18 日，勘誤 112 年 6 月 1 日)玩具安全-第 2 部：特定元素遷移，以酸液萃取並用感應耦合電漿原子放射光譜儀(ICP-OES)分析。

Element 元素	Result (mg/kg) 結果(毫克/仟克) Transparent paste	Detection Limit (mg/kg) 偵測極限 (毫克/仟克)
Sol. Barium (Ba) 溶出性鋇	ND	5
Sol. Lead (Pb) 溶出性鉛	ND	5
Sol. Cadmium (Cd) 溶出性鎘	ND	5
Sol. Antimony (Sb) 溶出性銻	ND	5
Sol. Selenium (Se) 溶出性硒	ND	5
Sol. Chromium (Cr) 溶出性鉻	ND	5
Sol. Mercury (Hg) 溶出性汞	ND	5
Sol. Arsenic (As) 溶出性砷	ND	2.5

Remarks: ND = Not detected 未檢測出
備註 CNS = Chinese National Standard 中華民國國家標準
The analytical results were adjusted by subtracting analytical correction factor.
可溶性重金屬之分析結果已依據本標準要求之校正因子加以調整。

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Test Conducted 測試內容：

2. Antimicrobial Activity Test 抗菌效力測試

As per applicant's request with reference to USP-NF 2024 <51>, test procedures as below.
依據客戶要求參考 USP-NF 2024 <51>，測試步驟如下所述。

Test procedures 測試步驟:
1. Known amount of culture suspension about 10^5 CFU/mL was prepared.
   調整測試菌液至適當濃度，約 10^5 CFU/毫升。
2. Inoculated tested sample with culture suspension, mixed and incubated for 10 minutes.
   送檢樣品與菌液接觸 10 分鐘進行反應。
3. After incubation, determined the number of bacteria and calculated the antimicrobial activity.
   計算反應後菌量及抗菌效力。

Test Result 測試結果:
Tested Sample 測試樣品: Transparent paste

Name of Test Organism 試驗菌種 (Strain Number 保存編號)	*Staphylococcus aureus* 金黃色葡萄球菌 (ATCC 6538)	*Escherichia coli* 大腸桿菌 (ATCC 8739)
Initial Count (A) (CFU/mL) 起始菌量 (A) (CFU/毫升)	6.8×10^5	5.8×10^5
The Number of Bacteria Recovered from the Tested Sample after Incubating (B) (CFU/mL) 反應後菌量 (B) (CFU/毫升)	< 10	< 10
Antimicrobial Activity (%) 抗菌效力 (%)	> 99.9	> 99.9

Antimicrobial Activity 抗菌效力(%) = (A-B)/A x 100%

Remarks: CFU = Colony forming unit 菌落形成單位
備註 > = More than 大於
< = Less than 小於
USP-NF = United States Pharmacopoeia-National Formulary 美國藥典

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Test Conducted 測試內容：

3. Nonylphenol (NP) and Nonylphenol Ethoxylates (NPEO) 壬基苯酚類界面活性劑

Method : Sample was extracted by solvent and analyzed by High Performance Liquid Chromatography-Photodiode Array Detector (HPLC-DAD).
檢驗方法 樣品經溶劑萃取報後，以高效液相層析光二極體陣列偵測儀(HPLC-DAD)測定。

Result :
檢驗結果

	Limit of quantitation(%) 定量極限	Result(%) 檢出值
		Transparent paste
Nonylphenol 壬基苯酚(NP)	0.01	Not detected 未檢出
Nonylphenol Ethoxylates 壬基苯酚聚乙氧基醇 (NPEO)	0.02	Not detected 未檢出
Sum of NP and NPEO NP 及 NPEO 總和	--	Not detected 未檢出

4. Migratable Fluorescent Substances 螢光增白劑

Method : Sample was analyzed by UV Lamp.
檢驗方法 樣品以紫外燈進行測定。

Result :
檢驗結果

	Result 檢出值
	Transparent paste
Migratable fluorescent substances 螢光增白劑	Not detected 未檢出

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Sample photo 樣品照片：

End of Report

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