

Textile Laboratory

Test Report

No: TX81257 /2016 /SP

Date: Aug. 29, 2016

Page 1 of 5

China Glaze Co., Ltd.
No.136, Sec. 4, Zhongxing Rd., Zhudong Township,
Hsinchu County 310, Taiwan (R.O.C.)

The following samples were submitted and identified by applicant as:

Sample Description : Eleven samples of knitted fabrics N140D full dull+OP 55D

Color : (A) Yellow (B) Magenta (C) Black (D) Cyan 1 (E) Cyan 2 (F) Cyan 3
(G) Red (H) Orange (I) Blue (J) Fluorescent Yellow
(K) Fluorescent Magenta

Fiber Content : 89% Nylon 11% Spandex

Fabric Weight : 360g/y

End Use : Printing Nylon Fiber (Swimsuit)

Applicant : China Glaze Co., Ltd.

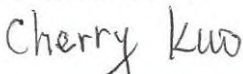
Sample Receiving Date : Aug. 19, 2016

Test Performance Period : Aug. 19, 2016 to Aug. 25, 2016

Test Performed : Selected test(s) as requested by applicant.

Test Results : For further details, please refer to the following page(s).

Signed for and on behalf of
SGS Taiwan Ltd.



Kuo Ling, Cherry
Supervisor

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Textile Laboratory
Test Report

No: TX81257 /2016 /SP

Date: Aug. 29, 2016

Page 2 of 5

Test Results:

1. Colour Fastness to Washing (Modified ISO 105 C06 A2S - 2010 - 30 min - Mechanical wash but at 30°C in 4 g/l ECE detergent + 1 g/l sodium perborate solution with 10 steel balls - 150 ml liquor volume)

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
Change in shade	4-5	4-5	4-5	4-5	4	4-5	4-5	4-5
Staining of acetate	4-5	4	4-5	4-5	4-5	4-5	4-5	4-5
Staining of cotton	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5
Staining of nylon	4-5	4-5	3-4	4-5	4-5	4-5	4-5	4-5
Staining of polyester	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5
Staining of acrylic	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5
Staining of wool	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5

	(I)	(J)	(K)
Change in shade	4	4-5	4-5
Staining of acetate	4-5	4-5	4-5
Staining of cotton	4-5	4-5	4-5
Staining of nylon	4-5	4-5	4-5
Staining of polyester	4-5	4-5	4-5
Staining of acrylic	4-5	4-5	4-5
Staining of wool	4-5	4-5	4-5

Remarks : 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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**Textile Laboratory
Test Report**

No: TX81257 /2016 /SP

Date: Aug. 29, 2016

Page 3 of 5

Test Results:

2.Colour Fastness to Perspiration (ISO 105 E04: 2013)

	(A)		(B)		(C)		(D)	
	a	b	a	b	a	b	a	b
Change in shade	4	4-5	4-5	4-5	4-5	4-5	4-5	4-5
Staining of acetate	4	4	4	4-5	4-5	4-5	4-5	4-5
Staining of cotton	4-5	4-5	3	3-4	4	4-5	4-5	4-5
Staining of nylon	3-4	3-4	2	2-3	3	3-4	4-5	4-5
Staining of polyester	4-5	4-5	3	3-4	4	4-5	4-5	4-5
Staining of acrylic	4	4-5	3	3-4	4	4-5	4-5	4-5
Staining of wool	4	4	2	2-3	3-4	4	4-5	4-5

Note: a = alkaline b = acid

	(E)		(F)		(G)		(H)	
	a	b	a	b	a	b	a	b
Change in shade	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5
Staining of acetate	4-5	4-5	4-5	4-5	3-4	4	4	4-5
Staining of cotton	4-5	4-5	4	4	3-4	4	3	3-4
Staining of nylon	4-5	4-5	4-5	4-5	2	3	4	4
Staining of polyester	4-5	4-5	4	4	3-4	4	3-4	4-5
Staining of acrylic	4-5	4-5	4	4	3-4	4	3-4	4
Staining of wool	4-5	4-5	3-4	3-4	2-3	3	3-4	3-4

Note: a = alkaline b = acid

	(I)		(J)		(K)	
	a	b	a	b	a	b
Change in shade	4	4	4-5	4-5	4	4-5
Staining of acetate	4	4	3-4	4	3-4	3-4
Staining of cotton	2-3	3-4	2-3	3-4	2-3	3
Staining of nylon	3	3	2-3	3	3	3
Staining of polyester	4	4	4	4-5	3-4	3-4
Staining of acrylic	4-5	4-5	4	4-5	3-4	3-4
Staining of wool	4	4	2-3	3	3	3

Note: a = alkaline b = acid

Remarks : 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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**Textile Laboratory
Test Report**

No: TX81257 /2016 /SP

Date: Aug. 29, 2016

Page 4 of 5

Test Results:

3.Colour Fastness to Sea Water (ISO 105 E02: 2013)

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
Change in shade	4	4-5	4-5	4-5	4-5	4-5	4-5	4-5
Staining of acetate	4	4	4-5	4-5	4-5	4-5	4	4
Staining of cotton	4-5	3-4	4-5	4-5	4-5	4	3-4	3
Staining of nylon	3-4	2-3	4	4-5	4-5	4-5	3	4
Staining of polyester	4-5	3-4	4-5	4-5	4-5	4	3-4	4
Staining of acrylic	4	3-4	4-5	4-5	4-5	4	3	4
Staining of wool	4	2-3	4	4-5	4-5	3-4	3	3-4
	(I)	(J)	(K)					
Change in shade	4-5	4-5	4					
Staining of acetate	4-5	3-4	3					
Staining of cotton	3-4	2-3	2-3					
Staining of nylon	3	2-3	3					
Staining of polyester	4	4	3					
Staining of acrylic	3-4	4	3					
Staining of wool	3	2-3	2-3					

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

4.Colour Fastness to Chlorinated Water (ISO 105 E03 : 2010 - 20 mg of active chlorine per liter)

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
Change in shade	4	4-5	4-5	4	4-5	3-4	4-5	4-5
	(I)	(J)	(K)					
Change in shade	4-5	4-5	3-4					

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

5.Colour Fastness to Rubbing (ISO 105 X12 :2001)

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
Dry staining	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5
Wet staining	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5
	(I)	(J)	(K)					
Dry staining	4-5	4-5	4-5					
Wet staining	4-5	4-5	4					

Remarks : 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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**Textile Laboratory
Test Report**

No: TX81257 /2016 /SP

Date: Aug. 29, 2016

Page 5 of 5

Test Results:

6.Colour Fastness to Light (ISO 105 B02:2014 - Air-Cooled Xenon-Arc Fading Lamp Test)

BWS (1 to 4)	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
Grade	4	3-4	4	3	3	1-2	3-4	4
BWS (1 to 4)	(I)	(J)	(K)					
Grade	4	2	1-2					

*** End of Report ***

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