

Textile Laboratory

Test Report

No: TX90604 /2017 /SP

Date: Oct. 05, 2017

Page 1 of 2

Taiwan Nanotechnology Corporation
No. 292, Road 38, Taichung Industry Estate Taichung,
Taiwan 407, R.O.C.

The following sample was submitted and identified by applicant as:

Sample Description : One sample knitted fabric super dye for textile

Color : Blue

Fiber Content : Polyester

Style No. : (3)

Manufacturer/Vendor : Taiwan Nanotechnology Corporation

Applicant : Taiwan Nanotechnology Corporation

Sample Receiving Date : Sep. 08, 2017

Test Performance Period : Sep. 08, 2017 to Oct. 05, 2017

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

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

*Tested samples returned to applicant

**Signed for and on behalf of
SGS Taiwan Ltd.**



**Chen Chih Wei, Justin
Asst. Supervisor**

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Test Results:

1.Colour Fastness to Washing (ISO 105 C06 A2S - 2010 - 30 min - Mechanical wash at 40°C
in 4 g/l ECE detergent + 1 g/l sodium perborate
solution with 10 steel balls - 150 ml liquor volume)

Change in shade	4-5
Staining of acetate	4-5
Staining of cotton	4-5
Staining of nylon	4-5
Staining of polyester	4-5
Staining of acrylic	4-5
Staining of wool	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.

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

	Alkaline	Acid
Change in shade	4-5	4-5
Staining of acetate	4-5	4-5
Staining of cotton	4-5	4-5
Staining of nylon	4-5	4-5
Staining of polyester	4-5	4-5
Staining of acrylic	4-5	4-5
Staining of wool	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.

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

BWS (1 to 7)	
Grade	4-5

*** End of Report ***

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Textile Laboratory

Test Report

No: TX90603 /2017 /SP

Date: Oct. 05, 2017

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Taiwan Nanotechnology Corporation
No. 292, Road 38, Taichung Industry Estate Taichung,
Taiwan 407, R.O.C.

The following sample was submitted and identified by applicant as:

Sample Description : One sample knitted fabric super dye for textile

Color : Magenta

Fiber Content : Polyester

Style No. : (3)

Manufacturer/Vendor : Taiwan Nanotechnology Corporation

Applicant : Taiwan Nanotechnology Corporation

Sample Receiving Date : Sep. 08, 2017

Test Performance Period : Sep. 08, 2017 to Oct. 05, 2017

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

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

*Tested samples returned to applicant

**Signed for and on behalf of
SGS Taiwan Ltd.**



**Chen Chih Wei, Justin
Asst. Supervisor**

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Date: Oct. 05, 2017

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Test Results:

1.Colour Fastness to Washing (ISO 105 C06 A2S - 2010 - 30 min - Mechanical wash at 40°C in 4 g/l ECE detergent + 1 g/l sodium perborate solution with 10 steel balls - 150 ml liquor volume)

Change in shade	4-5
Staining of acetate	4
Staining of cotton	4-5
Staining of nylon	4
Staining of polyester	4-5
Staining of acrylic	4-5
Staining of wool	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.

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

	Alkaline	Acid
Change in shade	4-5	4-5
Staining of acetate	4-5	4-5
Staining of cotton	4-5	4-5
Staining of nylon	4-5	4-5
Staining of polyester	4-5	4-5
Staining of acrylic	4-5	4-5
Staining of wool	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.

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

BWS (1 to 7)	
Grade	6

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Textile Laboratory**Test Report****No: TX90605 /2017 /SP****Date: Oct. 05, 2017****Page 1 of 2**

Taiwan Nanotechnology Corporation
No. 292, Road 38, Taichung Industry Estate Taichung,
Taiwan 407, R.O.C.

The following sample was submitted and identified by applicant as:

Sample Description : One sample knitted fabric super dye for textile

Color : Yellow

Fiber Content : Polyester

Style No. : (3)

Manufacturer/Vendor : Taiwan Nanotechnology Corporation

Applicant : Taiwan Nanotechnology Corporation

Sample Receiving Date : Sep. 08, 2017


Test Performance Period : Sep. 08, 2017 to Oct. 05, 2017

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

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

*Tested samples returned to applicant

Signed for and on behalf of
SGS Taiwan Ltd.



Chen Chih Wei, Justin
Asst. Supervisor

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Test Results:

1.Colour Fastness to Washing (ISO 105 C06 A2S - 2010 - 30 min - Mechanical wash at 40°C
in 4 g/l ECE detergent + 1 g/l sodium perborate
solution with 10 steel balls - 150 ml liquor volume)

Change in shade	4-5
Staining of acetate	4-5
Staining of cotton	4-5
Staining of nylon	4-5
Staining of polyester	4-5
Staining of acrylic	4-5
Staining of wool	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.

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

	Alkaline	Acid
Change in shade	4-5	4-5
Staining of acetate	4-5	4-5
Staining of cotton	4-5	4-5
Staining of nylon	4-5	4-5
Staining of polyester	4-5	4-5
Staining of acrylic	4-5	4-5
Staining of wool	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.

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

BWS (1 to 7)	
Grade	6

*** End of Report ***

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Textile Laboratory

Test Report

No: TX70970 /2017 /PL

Date: July 21, 2017

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Taiwan Nanotechnology Corporation
No. 292, Road 38, Taichung Industry Estate Taichung,
Taiwan 407, R.O.C.

The following samples were submitted and identified by applicant as:

Sample Description : One sample of knitted fabric super dye for textile

Color : Black

Fiber Content : Polyester

Manufacturer/Vendor : Taiwan Nanotechnology Corporation

Applicant : Taiwan Nanotechnology Corporation

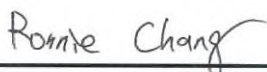
Sample Receiving Date : July 17, 2017

Test Performance Period : July 17, 2017 to July 21, 2017

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.**



**Chang Chia Hao, Ronnie
Asst. Manager**

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Textile Laboratory

Test Report

No: TX70970 /2017 /PL

Date: July 21, 2017

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Test Results:

1.Colour Fastness to Washing (ISO 105 C06 A2S - 2010 - 30 min - Mechanical wash at 40°C in 4 g/l ECE detergent + 1 g/l sodium perborate solution with 10 steel balls - 150 ml liquor volume)

Change in shade	4-5
Staining of acetate	4-5
Staining of cotton	4-5
Staining of nylon	4
Staining of polyester	4-5
Staining of acrylic	4-5
Staining of wool	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.

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

	Alkaline	Acid
Change in shade	4-5	4-5
Staining of acetate	4-5	4-5
Staining of cotton	4-5	4-5
Staining of nylon	4-5	4-5
Staining of polyester	4-5	4-5
Staining of acrylic	4-5	4-5
Staining of wool	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.

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

BWS (1 to 6)	
Grade	6

*** End of Report ***

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