

TEST REPORT

2025AN1766

DATE OF RECEPTION

Date Format: dd/MM/yyyy 19/06/2025

DATE TESTS

Starting: 25/06/2025

Ending: 09/07/2025

APPLICANT

GABRIEL A/S
HJULMAGERVEJ, 55
DK-9000 Ålborg
Denmark

Att. BENTE ELLINGSOE

IDENTIFICATION AND DESCRIPTION OF SAMPLES

Reference by AITEX	Reference by customer	AITEX sample description
2025AN1766-S01	Just col.60999	Fabric

TESTS CARRIED OUT

- COLOUR FASTNESS TO ARTIFICIAL LIGHT.
- COLOUR FASTNESS TO RUBBING.

Tests marked with * are not included within the scope of the ENAC accreditation.





RESULTS

COLOUR FASTNESS TO ARTIFICIAL LIGHT

Standard

AATCC TM 16.3:2020

Apparatus

WEATHER-OMETER, ATLAS CI 3000 (C-19816)

Starting test date

25/06/2025

Ending test date

27/06/2025

Exposure conditionsBlack Panel 63°C, Relative humidity 30%, 420 nm², 1'10 W/m²**Total radiant energy**6912 KJ/m²**Test conditions**

Without simple rotation, Mounting Procedure Backed.

Evaluation conditions

Light camera Gretagmacbeth (02021N06)

Grey Scale (0278N12)

Reference	Light fastness
2025AN1766-S01	5

Remark

The fastness grade indicated comes up to:

- Depth change: More clear
- Hue change: No notes
- Brightness change: No notes

MEANING OF COLOUR FASTNESS APPRAISAL EVALUATED WITH GREY SCALE

VALUE	MEANING
5	VERY GOOD-EXCELLENT
4	GOOD
3	FAIR - MODERATE
2	POOR BAHAVIOUR
1	VERY POOR

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RESULTS

COLOUR FASTNESS TO RUBBING

Standard

AATCC TM 8:2016

Apparatus

Crockmeter

Starting test date

26/06/2025

Ending test date

03/07/2025

Scale used

AATCC Gray scale for staining (AATCC evaluation procedure 2)

Reference	Dry staining	Wet staining
2025AN1766-S01	4-5	4-5

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RESULTS

COLOUR FASTNESS TO ARTIFICIAL LIGHT

Standard

EN ISO 105-B02:2014. Method 2

Apparatus

Xenotest 440 02423E06

Starting test date

25/06/2025

Ending test date

09/07/2025

Exposure conditions

Normal

Evaluation conditions

Light camera Gretagmacbeth (02021N06)

Reference	Light fastness
2025AN1766-S01	5

Remark

The fastness grade indicated comes up to:

- Depth change: More clear
- Hue change: No notes
- Brightness change: No notes

MEANING OF COLOUR VALUES FASTNESS TO ARTIFICIAL LIGHT

VALUE	MEANING
8	EXCELLENT
7	VERY GOOD
6	GOOD
5	MODERATE
4	FAIR
3	POOR BEHAVIOUR
2	POOR BEHAVIOUR
1	VERY POOR

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RESULTS

COLOUR FASTNESS TO RUBBING

Standard

ISO 105-X12:2016

Apparatus

Crockmeter

Starting test date

26/06/2025

Ending test date

03/07/2025

Conditioning time

> 4 H

Atmosphere for conditioning and testing

Temperature	(20±2) °C
Relative Humidity	(65±2) %Hr

Pin

Cylindrical

Applied force

(9 ± 0,2) N

% of water absorption for rubbing in humid

95-100 %

REFERENCE	DIRECTION	DRY STAINING	WET STAINING
2025AN1766-S01	Warp	4-5	4-5
	Weft	4-5	4-5

REFERENCE	DIRECTION	DRY CHANGUE COLOUR	WET CHANGUE COLOUR
2025AN1766-S01	Warp	5	5
	Weft	5	5

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**MEANING OF COLOUR FASTNESS APPRAISAL EVALUATED WITH GREY SCALE**

VALUE	MEANING
5	VERY GOOD - EXCELLENT
4	GOOD
3	FAIR - MODERATE
2	POOR - BEHAVIOUR
1	VERY POOR

According to standards ISO 105-A02 e ISO 105-A03



Isabel Soriano
Laboratories and International Offices Subdirector



Date: 09/07/2025 8:46:42

Digitally Signed by:MARIA ISABEL SORIANO SARRIO -

NIF:52716426N

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