

TEST REPORT

2024AN0313

DATE OF RECEPTION

Date Format: dd/MM/yyyy 06/02/2024

DATE TESTS

Starting: 07/02/2024 Ending: 23/02/2024 **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
2024AN0313-S01	Noma col. 67103	Fabric

TESTS CARRIED OUT

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



RESULTS

COLOUR FASTNESS TO ARTIFICIAL LIGHT

Standard

EN ISO 105-B02:2014. Method 2

Apparatus

Xenotest 440 02423E06

Starting test date

09/02/2024

Ending test date

23/02/2024

Exposure conditions

Normal

Evaluation conditions

Light camera Gretagmacbeth (02021N06)

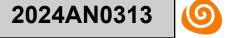
Reference	Light fastness
2024AN0313-S01	5

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

The test was carried out at laboratory located at Carretera Banyeres s/n - 03802 Alcoi, Alicante

RESULTS

COLOUR FASTNESS TO RUBBING

Standard

ISO 105-X12:2016

Apparatus

Crockmeter

Starting test date

07/02/2024

Ending test date

13/02/2024

Conditioning time

> 4 H

Atmosphere for conditioning and testing

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

Pin

Cylindrical

Applied force

 $(9 \pm 0.2) N$

% of water absorption for rubbing in humid

95-100 %

REFERENCE	DIRECTION	DRY STAINING	WET STAINING
	Warp	4-5	4-5
2024AN0313-S01			
	Weft	4-5	4-5

REFERENCE	DIRECTION	CHANGUE IN COLOUR DRY	CHANGUE IN COLOUR WET
2024 A NO242 CO4	Warp	5	5
2024AN0313-S01	Weft	5	5

The test was carried out at laboratory located at Carretera Banyeres s/n - 03802 Alcoi, Alicante



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



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