

TEST REPORT

2024AN0645

DATE OF RECEPTION

Date Format: dd/MM/yyyy 13/03/2024

APPLICANT

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

DATE TESTS

Starting: 14/03/2024
Ending: 08/04/2024

Att. BENTE ELLINGSOE

IDENTIFICATION AND DESCRIPTION OF SAMPLES

Reference by AITEX	Reference by customer	AITEX sample description
2024AN0645-S01	Tailor 60353 Light Grey	tejido Fabric
2024AN0645-S02	Tailor 60361 Grey	Fabric
2024AN0645-S03	Tailor 60362 Dark Grey	Fabric
2024AN0645-S04	Tailor 60363 Beige Black	Fabric
2024AN0645-S05	Tailor 60364 Light Grey	Fabric
2024AN0645-S06	Tailor 60997 Dark Grey	Fabric
2024AN0645-S07	Tailor 61295 Light Brown	Fabric
2024AN0645-S08	Tailor 61297 Beige	Fabric
2024AN0645-S09	Tailor 61299 Beige	Fabric
2024AN0645-S10	Tailor 61301 Red Brown	Fabric
2024AN0645-S11	Tailor 61305 Beige Brown	Fabric
2024AN0645-S12	Tailor 61306 Light Beige	Fabric
2024AN0645-S13	Tailor 62148 Dark Yellow	Fabric
2024AN0645-S14	Tailor 62149 Yellow	Fabric
2024AN0645-S15	Tailor 63141 Light Orange	Fabric
2024AN0645-S16	Tailor 63146 Orange	Fabric
2024AN0645-S17	Tailor 64281 Light Brown Red	Fabric
2024AN0645-S18	Tailor 64282 Orange Red	Fabric
2024AN0645-S19	Tailor 65146 Purple	Fabric
2024AN0645-S20	Tailor 66266 Light Blue	Fabric
2024AN0645-S21	Tailor 66273 Blue	Fabric
2024AN0645-S22	Tailor 66274 Dark Blue	Fabric
2024AN0645-S23	Tailor 67136 Turquoise	Fabric
2024AN0645-S24	Tailor 68303 Green	Fabric
2024AN0645-S25	Tailor 68304 Dark Green	Fabric
2024AN0645-S26	Tailor 68316 Dark Green	Fabric

TESTS CARRIED OUT

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



Asociación de Investigación de la Industria Textil – C.I.F.: G03182870



- COLOUR FASTNESS TO RUBBING.



RESULTS

COLOUR FASTNESS TO RUBBING

Standard

ISO 105-X12:2016

Apparatus

Crockmeter

Starting test date

14/03/2024

Ending test date

08/04/2024

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
2024AN0645-S01	Warp	4-5	4-5
	Weft	4-5	4-5
2024AN0645-S02	Warp	4-5	4-5
	Weft	4-5	4-5
2024AN0645-S03	Warp	4-5	4-5
	Weft	4-5	4-5
2024AN0645-S04	Warp	4-5	4-5
	Weft	4-5	4-5
2024AN0645-S05	Warp	4-5	4-5
	Weft	4-5	4-5
2024AN0645-S06	Warp	4-5	4-5
	Weft	4-5	4-5
2024AN0645-S07	Warp	5	4-5
	Weft	5	4-5
2024AN0645-S08	Warp	4-5	4-5
	Weft	4-5	4-5
2024AN0645-S09	Warp	4-5	4-5
	Weft	4-5	4-5
2024AN0645-S10	Warp	4-5	4-5
	Weft	4-5	4-5
2024AN0645-S11	Warp	5	4-5
	Weft	5	4-5
2024AN0645-S12	Warp	4-5	4-5
	Weft	4-5	4-5
2024AN0645-S13	Warp	4-5	4-5
	Weft	4-5	4-5
2024AN0645-S14	Warp	5	5
	Weft	5	5
2024AN0645-S15	Warp	5	4-5
	Weft	5	4-5
2024AN0645-S16	Warp	5	4-5
	Weft	5	4-5
2024AN0645-S17	Warp	5	4-5
	Weft	5	4-5
2024AN0645-S18	Warp	4-5	4-5
	Weft	4-5	4-5
2024AN0645-S19	Warp	4-5	4-5
	Weft	4-5	4-5
2024AN0645-S20	Warp	4-5	4-5
	Weft	4-5	4-5



REFERENCE	DIRECTION	DRY STAINING	WET STAINING
2024AN0645-S21	Warp	4-5	4-5
	Weft	4-5	4-5
2024AN0645-S22	Warp	4-5	4-5
	Weft	4-5	4-5
2024AN0645-S23	Warp	4-5	4-5
	Weft	4-5	4-5
2024AN0645-S24	Warp	4-5	4-5
	Weft	4-5	4-5
2024AN0645-S25	Warp	4-5	4-5
	Weft	4-5	4-5
2024AN0645-S26	Warp	4-5	4-5
	Weft	4-5	4-5

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REFERENCE	DIRECTION	CHANGUE IN COLOUR DRY	CHANGUE IN COLOUR WET
2024AN0645-S01	Warp	5	5
	Weft	5	5
2024AN0645-S02	Warp	5	5
	Weft	5	5
2024AN0645-S03	Warp	5	5
	Weft	5	5
2024AN0645-S04	Warp	5	5
	Weft	5	5
2024AN0645-S05	Warp	5	5
	Weft	5	5
2024AN0645-S06	Warp	5	5
	Weft	5	5
2024AN0645-S07	Warp	5	5
	Weft	5	5
2024AN0645-S08	Warp	5	5
	Weft	5	5
2024AN0645-S09	Warp	5	5
	Weft	5	5
2024AN0645-S10	Warp	5	5
	Weft	5	5
2024AN0645-S11	Warp	5	5
	Weft	5	5
2024AN0645-S12	Warp	5	5
	Weft	5	5
2024AN0645-S13	Warp	5	5
	Weft	5	5
2024AN0645-S14	Warp	5	5
	Weft	5	5
2024AN0645-S15	Warp	5	5
	Weft	5	5
2024AN0645-S16	Warp	5	5
	Weft	5	5
2024AN0645-S17	Warp	5	5
	Weft	5	5
2024AN0645-S18	Warp	5	5
	Weft	5	5
2024AN0645-S19	Warp	5	5
	Weft	5	5



REFERENCE	DIRECTION	CHANGUE IN COLOUR DRY	CHANGUE IN COLOUR WET
2024AN0645-S20	Warp	5	5
	Weft	5	5
2024AN0645-S21	Warp	5	5
	Weft	5	5
2024AN0645-S22	Warp	5	5
	Weft	5	5
2024AN0645-S23	Warp	5	5
	Weft	5	5
2024AN0645-S24	Warp	5	5
	Weft	5	5
2024AN0645-S25	Warp	5	5
	Weft	5	5
2024AN0645-S26	Warp	5	5
	Weft	5	5

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

Reference	Description
2024AN0645-S01	Tailor 60353 Light Grey
2024AN0645-S02	Tailor 60361 Grey
2024AN0645-S03	Tailor 60362 Dark Grey
2024AN0645-S04	Tailor 60363 Beige Black
2024AN0645-S05	Tailor 60364 Light Grey
2024AN0645-S06	Tailor 60997 Dark Grey
2024AN0645-S07	Tailor 61295 Light Brown
2024AN0645-S08	Tailor 61297 Beige
2024AN0645-S09	Tailor 61299 Beige
2024AN0645-S10	Tailor 61301 Red Brown
2024AN0645-S11	Tailor 61305 Beige Brown
2024AN0645-S12	Tailor 61306 Light Beige
2024AN0645-S13	Tailor 62148 Dark Yellow
2024AN0645-S14	Tailor 62149 Yellow
2024AN0645-S15	Tailor 63141 Light Orange
2024AN0645-S16	Tailor 63146 Orange
2024AN0645-S17	Tailor 64281 Light Brown Red
2024AN0645-S18	Tailor 64282 Orange Red
2024AN0645-S19	Tailor 65146 Purple
2024AN0645-S20	Tailor 66266 Light Blue
2024AN0645-S21	Tailor 66273 Blue
2024AN0645-S22	Tailor 66274 Dark Blue
2024AN0645-S23	Tailor 67136 Turquoise
2024AN0645-S24	Tailor 68303 Green
2024AN0645-S25	Tailor 68304 Dark Green
2024AN0645-S26	Tailor 68316 Dark Green



RESULTS

COLOUR FASTNESS TO RUBBING

Standard

AATCC TM 8:2016

Apparatus

Crockmeter

Starting test date

14/03/2024

Ending test date

08/04/2024

Scale used

AATCC Gray scale for staining (AATCC evaluation procedure 2)

Reference	Dry staining	Wet staining
2024AN0645-S01	4-5	4-5
2024AN0645-S02	4-5	4-5
2024AN0645-S03	4-5	4-5
2024AN0645-S04	4-5	4-5
2024AN0645-S05	4-5	4-5
2024AN0645-S06	4-5	4-5
2024AN0645-S07	4-5	4-5
2024AN0645-S08	4-5	4-5
2024AN0645-S09	4-5	4-5
2024AN0645-S10	4-5	4-5
2024AN0645-S11	4-5	4-5
2024AN0645-S12	5	5
2024AN0645-S13	4-5	4-5
2024AN0645-S14	5	5
2024AN0645-S15	5	4-5
2024AN0645-S16	5	4-5
2024AN0645-S17	4-5	4-5
2024AN0645-S18	4-5	4-5
2024AN0645-S19	4-5	4-5
2024AN0645-S20	4-5	4-5
2024AN0645-S21	4-5	4-5
2024AN0645-S22	4-5	4-5
2024AN0645-S23	4-5	4-5
2024AN0645-S24	4-5	4-5
2024AN0645-S25	4-5	4-5
2024AN0645-S26	4-5	4-5

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2024AN0645-S23	Tailor 67136 Turquoise
2024AN0645-S24	Tailor 68303 Green
2024AN0645-S25	Tailor 68304 Dark Green
2024AN0645-S26	Tailor 68316 Dark Green

**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: 10/04/2024 6:25:28

Digitally Signed by: MARIA ISABEL SORIANO SARRIO -

NIF:52716426N

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