

## TEST REPORT

### DATE OF RECEPTION

Date Format: dd/MM/yyyy 03/08/2023

### APPLICANT

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

### DATE TESTS

Starting: 15/08/2023  
Ending: 14/09/2023

Att. BENTE ELLINGSOE

### IDENTIFICATION AND DESCRIPTION OF SAMPLES

Reference by AITEX	Reference by customer	AITEX sample description
2023AN1918-S01	Step Melange 60345 Light Grey	Fabric
2023AN1918-S02	Step melange 60346 Light Grey	Fabric
2023AN1918-S04	Step melange 61286 Light Brown	Fabric
2023AN1918-S05	Step melange 61288 Beige	Fabric
2023AN1918-S06	Step melange 61289 Beige	Fabric
2023AN1918-S07	Step melange 61293 Dark Beige	Fabric
2023AN1918-S08	Step melange 61291 Dark Brown	Fabric
2023AN1918-S10	Step melange 61287 Light Beige	Fabric
2023AN1918-S11	Step melange 62143 Light Yellow	Fabric
2023AN1918-S12	Step melange 62144 Light Yellow	Fabric
2023AN1918-S14	Step melange 62146 Yellow	Fabric
2023AN1918-S15	Step melange 63136 Light Orange	Fabric
2023AN1918-S16	Step melange 68298 Light Green	Fabric
2023AN1918-S17	Step melange 68299 Light Green	Fabric
2023AN1918-S18	Step melange 68300 Green	Fabric
2023AN1918-S19	Step melange 68301 Yellow Green	Fabric
2023AN1918-S20	Step melange 63137 Red Orange	Fabric
2023AN1918-S21	Step melange 63138 Orange	Fabric
2023AN1918-S22	Step melange 63139 Light Orange	Fabric
2023AN1918-S23	Step melange 64270 Dark Red	Fabric
2023AN1918-S25	Step melange 64267 Light Red	Fabric
2023AN1918-S29	Step melange 66263 Blue	Fabric
2023AN1918-S30	Step melange 67135 Turquoise	Fabric
2023AN1918-S31	Step melange 66264 Dark Blue	Fabric
2023AN1918-S32	Step melange 66265 Dark Blue	Fabric

### TESTS CARRIED OUT

- COLOUR FASTNESS TO RUBBING.

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





## RESULTS

### COLOUR FASTNESS TO RUBBING

**Standard**

ISO 105-X12:2016

**Apparatus**

Crockmeter

**Starting test date**

15/08/2023

**Ending test date**

14/09/2023

**Conditioning time**

&gt; 4 H

**Atmosphere for conditioning and testing**

<b>Temperature</b>	(20±2) °C
<b>Relative Humidity</b>	(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
2023AN1918-S01	Warp	4-5	5
	Weft	4-5	5
2023AN1918-S02	Warp	4-5	5
	Weft	4-5	5
2023AN1918-S04	Warp	4-5	5
	Weft	4-5	5
2023AN1918-S05	Warp	4-5	5
	Weft	4-5	5
2023AN1918-S06	Warp	4-5	5
	Weft	4-5	5
2023AN1918-S07	Warp	4-5	5
	Weft	4-5	5
2023AN1918-S08	Warp	4-5	5
	Weft	4-5	5
2023AN1918-S10	Warp	4-5	5
	Weft	4-5	5
2023AN1918-S11	Warp	4-5	5
	Weft	4-5	5
2023AN1918-S12	Warp	4-5	5
	Weft	4-5	5
2023AN1918-S14	Warp	4-5	5
	Weft	4-5	5
2023AN1918-S15	Warp	4-5	5
	Weft	4-5	5
2023AN1918-S16	Warp	4-5	5
	Weft	4-5	5
2023AN1918-S17	Warp	4-5	5
	Weft	4-5	5
2023AN1918-S18	Warp	4-5	5
	Weft	4-5	5
2023AN1918-S19	Warp	4-5	5
	Weft	4-5	5
2023AN1918-S20	Warp	4-5	5
	Weft	4-5	5
2023AN1918-S21	Warp	4-5	5
	Weft	4-5	5
2023AN1918-S22	Warp	4-5	5
	Weft	4-5	5
2023AN1918-S23	Warp	4-5	5
	Weft	4-5	5



2023AN1918-S25	Warp	4-5	5
	Weft	4-5	5
2023AN1918-S29	Warp	4-5	5
	Weft	4-5	5
2023AN1918-S30	Warp	4-5	5
	Weft	4-5	5
2023AN1918-S31	Warp	4-5	5
	Weft	4-5	5
2023AN1918-S32	Warp	4-5	5
	Weft	4-5	5

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Reference	Description
2023AN1918-S01	Step Melange 60345 Light Grey
2023AN1918-S02	Step melange 60346 Light Grey
2023AN1918-S04	Step melange 61286 Light Brown
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2023AN1918-S06	Step melange 61289 Beige
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2023AN1918-S17	Step melange 68299 Light Green
2023AN1918-S18	Step melange 68300 Green
2023AN1918-S19	Step melange 68301 Yellow Green
2023AN1918-S20	Step melange 63137 Red Orange
2023AN1918-S21	Step melange 63138 Orange
2023AN1918-S22	Step melange 63139 Light Orange
2023AN1918-S23	Step melange 64270 Dark Red
2023AN1918-S25	Step melange 64267 Light Red
2023AN1918-S29	Step melange 66263 Blue
2023AN1918-S30	Step melange 67135 Turquoise
2023AN1918-S31	Step melange 66264 Dark Blue
2023AN1918-S32	Step melange 66265 Dark Blue



# RESULTS

## COLOUR FASTNESS TO RUBBING

### Standard

AATCC TM 8:2016

### Apparatus

Crockmeter

### Starting test date

13/09/2023

### Ending test date

14/09/2023

### Scale used

AATCC Gray scale for staining (AATCC evaluation procedure 2)

Reference	Dry staining	Wet staining
2023AN1918-S01	4-5	5
2023AN1918-S02	4-5	5
2023AN1918-S04	4-5	5
2023AN1918-S05	4-5	5
2023AN1918-S06	4-5	5
2023AN1918-S07	4-5	5
2023AN1918-S08	4-5	5
2023AN1918-S10	4-5	5
2023AN1918-S11	4-5	5
2023AN1918-S12	4-5	5
2023AN1918-S14	4-5	5
2023AN1918-S15	4-5	5
2023AN1918-S16	4-5	5
2023AN1918-S17	4-5	5
2023AN1918-S18	4-5	5
2023AN1918-S19	4-5	5
2023AN1918-S20	4-5	5
2023AN1918-S21	4-5	5
2023AN1918-S22	4-5	5
2023AN1918-S23	4-5	5
2023AN1918-S25	4-5	5
2023AN1918-S29	4-5	5
2023AN1918-S30	4-5	5
2023AN1918-S31	4-5	5
2023AN1918-S32	4-5	5



Reference	Description
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2023AN1918-S32	Step melange 66265 Dark Blue

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

<b>VALUE</b>	<b>MEANING</b>
5	VERY GOOD - EXCELLENT
4	GOOD
3	FAIR - MODERATE
2	POOR - BEHAVIOUR
1	VERY POOR



Isabel Soriano  
Chief of Innovation Area



Date: 15/09/2023 14:06:20

Digitally Signed by: MARIA ISABEL SORIANO SARRIO -

NIF:52716426N

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