

**2024AN0436**

## TEST REPORT

### DATE OF RECEPTION

Date Format: dd/MM/yyyy 11/01/2024

### DATE TESTS

Starting: 20/02/2024

Ending: 20/02/2024

### 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
2024AN0077-S01	FAME 60003 Grey	Fabric <i>Fabric</i>
2024AN0077-S02	FAME 60005 Light Grey	Fabric
2024AN0077-S03	FAME 60017 Dark Grey	Fabric
2024AN0077-S04	FAME 60019 Grey	Fabric
2024AN0077-S05	FAME 60051 Dark Grey	Fabric
2024AN0077-S06	FAME 60078 Grey	Fabric
2024AN0077-S07	FAME 60999 Black	Fabric
2024AN0077-S08	FAME 61003 Beige	Fabric
2024AN0077-S09	FAME 61044 Dark Brown	Fabric
2024AN0077-S10	FAME 61047 Brown	Fabric
2024AN0077-S11	FAME 61060 Brown	Fabric
2024AN0077-S12	FAME 61108 Dark Brown	Fabric
2024AN0077-S13	FAME 61131 Yellow Brown	Fabric
2024AN0077-S14	FAME 61133 Dark Beige	Fabric
2024AN0077-S15	FAME 61134 D.Yellow Brown	Fabric
2024AN0077-S16	FAME 61135 Beige	Fabric
2024AN0077-S17	FAME 61136 Beige	Fabric
2024AN0077-S18	FAME 62067 Yellow	Fabric
2024AN0077-S19	FAME 62068 Yellow Brown	Fabric
2024AN0077-S20	FAME 63016 Orange	Fabric
2024AN0077-S21	FAME 63076 Dark Orange	Fabric
2024AN0077-S22	FAME 63077 Orange	Fabric
2024AN0077-S23	FAME 63078 Orange	Fabric
2024AN0077-S27	FAME 64165 Light Red	Fabric
2024AN0077-S28	FAME 64166 Light Red	Fabric
2024AN0077-S30	FAME 64168 Red	Fabric
2024AN0077-S31	FAME 64169 Light Red	Fabric
2024AN0077-S32	FAME 65081 Light Purple	Fabric
2024AN0077-S33	FAME 65082 Dark Purple	Fabric
2024AN0077-S34	FAME 65083 Light Purple	Fabric

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

**Rev.1** This revision cancels and replaces the previous





2024AN0077-S35	FAME 65084 Purple	Fabric
2024AN0077-S39	FAME 66071 Dark Blue	Fabric
2024AN0077-S41	FAME 66118 Blue	Fabric
2024AN0077-S42	FAME 66130 Grey Blue	Fabric
2024AN0077-S43	FAME 66131 Blue	Fabric
2024AN0077-S44	FAME 66132 Dark Blue	Fabric
2024AN0077-S45	FAME 66133 Blue	Fabric
2024AN0077-S46	FAME 67004 Turquoise	Fabric
2024AN0077-S47	FAME 67005 Dark Turquoise	Fabric
2024AN0077-S48	FAME 67016 Turquoise	Fabric
2024AN0077-S49	FAME 67067 Blue Green	Fabric
2024AN0077-S50	FAME 67068 Light Turquoise	Fabric
2024AN0077-S51	FAME 67069 Dark Turquoise	Fabric
2024AN0077-S52	FAME 68004 Green	Fabric
2024AN0077-S53	FAME 68035 Green	Fabric
2024AN0077-S54	FAME 68143 Dark Green	Fabric
2024AN0077-S55	FAME 68144 Yellow Green	Fabric
2024AN0077-S56	FAME 68145 Light Green	Fabric
2024AN0077-S57	FAME 68146 Green	Fabric
2024AN0077-S58	FAME 68147 Light Green	Fabric
2024AN0077-S59	FAME 68148 Dark Green	Fabric

#### TESTS CARRIED OUT

- COLOUR FASTNESS TO RUBBING.



## RESULTS

### COLOUR FASTNESS TO RUBBING

**Standard**

ISO 105-X12:2016

**Apparatus**

Crockmeter

**Starting test date**

15/01/2024

**Ending test date**

09/02/2024

**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
2024AN00436-S01	Warp	5	5
	Weft	5	5
2024AN0436-S02	Warp	5	5
	Weft	5	5
2024AN0436-S03	Warp	5	5
	Weft	5	5
2024AN0077-S04	Warp	5	5
	Weft	5	5
2024AN0436-S05	Warp	5	5
	Weft	5	5
2024AN0436-S06	Warp	5	5
	Weft	5	5
2024AN0436-S07	Warp	5	4-5
	Weft	5	4-5
2024AN0436-S08	Warp	5	4-5
	Weft	5	4-5
2024AN0436-S09	Warp	5	4-5
	Weft	5	4-5
2024AN0436-S10	Warp	5	4-5
	Weft	5	4-5
2024AN0436-S11	Warp	5	5
	Weft	5	5
2024AN0436-S12	Warp	5	4-5
	Weft	5	4-5
2024AN0436-S13	Warp	5	4-5
	Weft	5	4-5
2024AN0436-S14	Warp	5	5
	Weft	5	5
2024AN0436-S15	Warp	5	4-5
	Weft	5	4-5
2024AN0436-S16	Warp	5	4-5
	Weft	5	4-5
2024AN0436-S17	Warp	5	5
	Weft	5	5
2024AN0436-S18	Warp	5	5
	Weft	5	5
2024AN0436-S19	Warp	5	5
	Weft	5	5
2024AN0436-S20	Warp	5	4-5
	Weft	5	4-5



REFERENCE	DIRECTION	DRY STAINING	WET STAINING
2024AN0436-S21	Warp	5	4-5
	Weft	5	4-5
2024AN0436-S22	Warp	5	4-5
	Weft	5	4-5
2024AN0436-S23	Warp	5	4-5
	Weft	5	4-5
2024AN0436-S27	Warp	5	4-5
	Weft	5	4-5
2024AN0436-S28	Warp	5	4-5
	Weft	5	4-5
2024AN0436-S30	Warp	5	4-5
	Weft	5	4-5
2024AN0436-S31	Warp	5	5
	Weft	5	5
2024AN0436-S32	Warp	5	5
	Weft	5	5
2024AN0436-S33	Warp	5	5
	Weft	5	5
2024AN0436-S34	Warp	5	5
	Weft	5	5
2024AN0436-S35	Warp	5	4-5
	Weft	5	4-5
2024AN0436-S39	Warp	5	4-5
	Weft	5	4-5
2024AN0436-S41	Warp	5	4-5
	Weft	5	4-5
2024AN0436-S42	Warp	5	4-5
	Weft	5	4-5
2024AN0436-S43	Warp	5	4-5
	Weft	5	4-5
2024AN0436-S44	Warp	5	4-5
	Weft	5	4-5
2024AN0436-S45	Warp	5	4-5
	Weft	5	4-5
2024AN0436-S46	Warp	5	4-5
	Weft	5	4-5
2024AN0436-S47	Warp	5	4-5
	Weft	5	4-5
2024AN0436-S48	Warp	5	5
	Weft	5	5



REFERENCE	DIRECTION	DRY STAINING	WET STAINING
2024AN0436-S49	Warp	5	5
	Weft	5	5
2024AN0436-S50	Warp	5	5
	Weft	5	5
2024AN0436-S51	Warp	5	5
	Weft	5	5
2024AN0436-S52	Warp	5	4-5
	Weft	5	4-5
2024AN0436-S53	Warp	5	4-5
	Weft	5	4-5
2024AN0436-S54	Warp	5	4-5
	Weft	5	4-5
2024AN0436-S55	Warp	5	5
	Weft	5	5
2024AN0436-S56	Warp	5	5
	Weft	5	5
2024AN0436-S57	Warp	5	4-5
	Weft	5	4-5
2024AN0436-S58	Warp	5	5
	Weft	5	5
2024AN0436-S59	Warp	5	4-5
	Weft	5	4-5



REFERENCE	DIRECTION	CHANGUE IN COLOUR DRY	CHANGUE IN COLOUR WET
2024AN00436-S01	Warp	5	5
	Weft	5	5
2024AN0436-S02	Warp	5	5
	Weft	5	5
2024AN0436-S03	Warp	5	5
	Weft	5	5
2024AN0077-S04	Warp	5	5
	Weft	5	5
2024AN0436-S05	Warp	5	5
	Weft	5	5
2024AN0436-S06	Warp	5	5
	Weft	5	5
2024AN0436-S07	Warp	5	5
	Weft	5	5
2024AN0436-S08	Warp	5	5
	Weft	5	5
2024AN0436-S09	Warp	5	5
	Weft	5	5
2024AN0436-S10	Warp	5	5
	Weft	5	5
2024AN0436-S11	Warp	5	5
	Weft	5	5
2024AN0436-S12	Warp	5	5
	Weft	5	5
2024AN0436-S13	Warp	5	5
	Weft	5	5
2024AN0436-S14	Warp	5	5
	Weft	5	5
2024AN0436-S15	Warp	5	5
	Weft	5	5
2024AN0436-S16	Warp	5	5
	Weft	5	5
2024AN0436-S17	Warp	5	5
	Weft	5	5
2024AN0436-S18	Warp	5	5
	Weft	5	5
2024AN0436-S19	Warp	5	5
	Weft	5	5



REFERENCE	DIRECTION	CHANGUE IN COLOUR DRY	CHANGUE IN COLOUR WET
2024AN0436-S20	Warp	5	5
	Weft	5	5
2024AN0436-S21	Warp	5	5
	Weft	5	5
2024AN0436-S22	Warp	5	5
	Weft	5	5
2024AN0436-S23	Warp	5	5
	Weft	5	5
2024AN0436-S27	Warp	5	5
	Weft	5	5
2024AN0436-S28	Warp	5	5
	Weft	5	5
2024AN0436-S30	Warp	5	5
	Weft	5	5
2024AN0436-S31	Warp	5	5
	Weft	5	5
2024AN0436-S32	Warp	5	5
	Weft	5	5
2024AN0436-S33	Warp	5	5
	Weft	5	5
2024AN0436-S34	Warp	5	5
	Weft	5	5
2024AN0436-S35	Warp	5	5
	Weft	5	5
2024AN0436-S39	Warp	5	5
	Weft	5	5
2024AN0436-S41	Warp	5	5
	Weft	5	5
2024AN0436-S42	Warp	5	5
	Weft	5	5
2024AN0436-S43	Warp	5	5
	Weft	5	5
2024AN0436-S44	Warp	5	5
	Weft	5	5
2024AN0436-S45	Warp	5	5
	Weft	5	5
2024AN0436-S46	Warp	5	5
	Weft	5	5





REFERENCE	DIRECTION	CHANGUE IN COLOUR DRY	CHANGUE IN COLOUR WET
2024AN0436-S47	Warp	5	5
	Weft	5	5
2024AN0436-S48	Warp	5	5
	Weft	5	5
2024AN0436-S49	Warp	5	5
	Weft	5	5
2024AN0436-S50	Warp	5	5
	Weft	5	5
2024AN0436-S51	Warp	5	5
	Weft	5	5
2024AN0436-S52	Warp	5	5
	Weft	5	5
2024AN0436-S53	Warp	5	5
	Weft	5	5
2024AN0436-S54	Warp	5	5
	Weft	5	5
2024AN0436-S55	Warp	5	5
	Weft	5	5
2024AN0436-S56	Warp	5	5
	Weft	5	5
2024AN0436-S57	Warp	5	5
	Weft	5	5
2024AN0436-S58	Warp	5	5
	Weft	5	5
2024AN0436-S59	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
2024AN0077-S04	FAME 60019 Grey

**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

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



Date: 28/02/2024 16:33:39

Digitally Signed by: MARIA ISABEL SORIANO SARRIO -

NIF: 52716426N

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