

# TEST REPORT

**2024AN1049**

**DATE OF RECEPTION**

Date Format: dd/MM/yyyy 02/05/2024

**APPLICANT**

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

**DATE TESTS**

Starting: 08/05/2024  
Ending: 22/05/2024

Att. BENTE ELLINGSOE

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

**IDENTIFICATION AND DESCRIPTION OF SAMPLES**

Reference by AITEX	Reference by customer		AITEX sample description
2024AN1049-S01	Amaze Loop 60999	Black	Fabric
2024AN1049-S02	Amaze Loop 60365	Dark Grey	Fabric
2024AN1049-S03	Amaze Loop 60366	Grey	Fabric
2024AN1049-S04	Amaze Loop 60367	Dark Grey	Fabric
2024AN1049-S05	Amaze Loop 60368	Light Grey	Fabric
2024AN1049-S06	Amaze Loop 61308	Dark Beige	Fabric
2024AN1049-S07	Amaze Loop 61309	Dark Beige	Fabric
2024AN1049-S08	Amaze Loop 61310	Beige	Fabric
2024AN1049-S09	Amaze Loop 66278	Dark Blue	Fabric
2024AN1049-S10	Amaze Loop 66279	Dark Blue	Fabric
2024AN1049-S11	Amaze Loop 66280	Blue	Fabric
2024AN1049-S12	Amaze Loop 66281	Light Blue	Fabric
2024AN1049-S13	Amaze Loop 62151	Dark Beige Yellow	Fabric
2024AN1049-S14	Amaze Loop 62152	Light Beige Yellow	Fabric
2024AN1049-S15	Amaze Loop 62153	Dark Yellow	Fabric
2024AN1049-S16	Amaze Loop 62154	Yellow	Fabric
2024AN1049-S17	Amaze Loop 63147	Dark Yellow Orange	Fabric
2024AN1049-S18	Amaze Loop 63148	Light Yellow Orange	Fabric
2024AN1049-S19	Amaze Loop 63149	Dark Orange	Fabric
2024AN1049-S20	Amaze Loop 64284	Dark Red	Fabric
2024AN1049-S21	Amaze Loop 63150	Dark Red Orange	Fabric
2024AN1049-S22	Amaze Loop 61311	Dark Red Brown	Fabric
2024AN1049-S23	Amaze Loop 61312	Red Brown	Fabric
2024AN1049-S24	Amaze Loop 61313	Dark Brown	Fabric
2024AN1049-S25	Amaze Loop 61314	Brown	Fabric
2024AN1049-S26	Amaze Loop 61315	Dark Brown	Fabric
2024AN1049-S27	Amaze Loop 68318	Dark Green	Fabric
2024AN1049-S28	Amaze Loop 68319	Light Green	Fabric
2024AN1049-S29	Amaze Loop 68320	Dark Green	Fabric
2024AN1049-S30	Amaze Loop 68321	Yellow Green	Fabric
2024AN1049-S31	Amaze Loop 68322	Dark Yellow Green	Fabric

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





2024AN1049-S32	Amaze Loop 68323	Light Yellow Green	Fabric
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**TESTS CARRIED OUT**

- COLOUR FASTNESS TO ARTIFICIAL LIGHT.



## RESULTS

### COLOUR FASTNESS TO ARTIFICIAL LIGHT

**Standard**

EN ISO 105-B02:2014. Method 2

**Apparatus**

Xenotest 440 02423E06

**Starting test date**

08/05/2024

**Ending test date**

22/05/2024

**Exposure conditions**

Normal

**Evaluation conditions**

Light camera Gretagmacbeth (02021N06)

Reference	Light fastness
2024AN1049-S01	7-8
2024AN1049-S02	7-8
2024AN1049-S03	7-8
2024AN1049-S04	7-8
2024AN1049-S05	7-8
2024AN1049-S06	7-8
2024AN1049-S07	7-8
2024AN1049-S08	7-8
2024AN1049-S09	7-8
2024AN1049-S10	7-8
2024AN1049-S11	7-8
2024AN1049-S12	7-8
2024AN1049-S13	7-8
2024AN1049-S14	7-8
2024AN1049-S15	7-8
2024AN1049-S16	7-8
2024AN1049-S17	7-8
2024AN1049-S18	7-8
2024AN1049-S19	7-8
2024AN1049-S20	7-8
2024AN1049-S21	7-8
2024AN1049-S22	7-8
2024AN1049-S23	7-8
2024AN1049-S24	7-8
2024AN1049-S25	7-8
2024AN1049-S26	7-8
2024AN1049-S27	7-8
2024AN1049-S28	7-8
2024AN1049-S29	7-8
2024AN1049-S30	7-8
2024AN1049-S31	7-8
2024AN1049-S32	7-8

**Remark**

The fastness grade indicated comes up to:

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



- Brightness change: No notes

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

Reference	Description
2024AN1049-S01	Amaze Loop 60999 Black
2024AN1049-S02	Amaze Loop 60365 Dark Grey
2024AN1049-S03	Amaze Loop 60366 Grey
2024AN1049-S04	Amaze Loop 60367 Dark Grey
2024AN1049-S05	Amaze Loop 60368 Light Grey
2024AN1049-S06	Amaze Loop 61308 Dark Beige
2024AN1049-S07	Amaze Loop 61309 Dark Beige
2024AN1049-S08	Amaze Loop 61310 Beige
2024AN1049-S09	Amaze Loop 66278 Dark Blue
2024AN1049-S10	Amaze Loop 66279 Dark Blue
2024AN1049-S11	Amaze Loop 66280 Blue
2024AN1049-S12	Amaze Loop 66281 Light Blue
2024AN1049-S13	Amaze Loop 62151 Dark Beige Yellow
2024AN1049-S14	Amaze Loop 62152 Light Beige Yellow
2024AN1049-S15	Amaze Loop 62153 Dark Yellow
2024AN1049-S16	Amaze Loop 62154 Yellow
2024AN1049-S17	Amaze Loop 63147 Dark Yellow Orange
2024AN1049-S18	Amaze Loop 63148 Light Yellow Orange
2024AN1049-S19	Amaze Loop 63149 Dark Orange
2024AN1049-S20	Amaze Loop 64284 Dark Red
2024AN1049-S21	Amaze Loop 63150 Dark Red Orange
2024AN1049-S22	Amaze Loop 61311 Dark Red Brown
2024AN1049-S23	Amaze Loop 61312 Red Brown
2024AN1049-S24	Amaze Loop 61313 Dark Brown
2024AN1049-S25	Amaze Loop 61314 Brown
2024AN1049-S26	Amaze Loop 61315 Dark Brown
2024AN1049-S27	Amaze Loop 68318 Dark Green
2024AN1049-S28	Amaze Loop 68319 Light Green
2024AN1049-S29	Amaze Loop 68320 Dark Green
2024AN1049-S30	Amaze Loop 68321 Yellow Green
2024AN1049-S31	Amaze Loop 68322 Dark Yellow Green
2024AN1049-S32	Amaze Loop 68323 Light Yellow Green



## RESULTS

### COLOUR FASTNESS TO ARTIFICIAL LIGHT

**Standard**

AATCC TM 16.3:2020

**Apparatus**

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

**Starting test date**

08/05/2024

**Ending test date**

10/05/2024

**Exposure conditions**

Black Panel 63°C, Relative humidity 30%, 420 nm<sup>2</sup>, 1'10 W/m<sup>2</sup>

**Total radiant energy**

6912 KJ/m<sup>2</sup>

**Test conditions**

Without simple rotation, Mounting Procedure Backed.

**Evaluation conditions**

Light camera Gretagmacbeth (02021N06)

Grey Scale (0278N12)



Reference	Light fastness
2024AN1049-S01	5
2024AN1049-S02	5
2024AN1049-S03	5
2024AN1049-S04	5
2024AN1049-S05	5
2024AN1049-S06	5
2024AN1049-S07	5
2024AN1049-S08	5
2024AN1049-S09	5
2024AN1049-S10	5
2024AN1049-S11	5
2024AN1049-S12	5
2024AN1049-S13	5
2024AN1049-S14	5
2024AN1049-S15	5
2024AN1049-S16	5
2024AN1049-S17	5
2024AN1049-S18	5
2024AN1049-S19	5
2024AN1049-S20	5
2024AN1049-S21	5
2024AN1049-S22	5
2024AN1049-S23	5
2024AN1049-S24	5
2024AN1049-S25	5
2024AN1049-S26	5
2024AN1049-S27	5
2024AN1049-S28	5
2024AN1049-S29	5
2024AN1049-S30	5
2024AN1049-S31	5
2024AN1049-S32	5

**Remark**

The fastness grade indicated comes up to:

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

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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 BAHAVIOUR
1	VERY POOR

///

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

Reference	Description
2024AN1049-S01	Amaze Loop 60999 Black
2024AN1049-S02	Amaze Loop 60365 Dark Grey
2024AN1049-S03	Amaze Loop 60366 Grey
2024AN1049-S04	Amaze Loop 60367 Dark Grey
2024AN1049-S05	Amaze Loop 60368 Light Grey
2024AN1049-S06	Amaze Loop 61308 Dark Beige
2024AN1049-S07	Amaze Loop 61309 Dark Beige
2024AN1049-S08	Amaze Loop 61310 Beige
2024AN1049-S09	Amaze Loop 66278 Dark Blue
2024AN1049-S10	Amaze Loop 66279 Dark Blue
2024AN1049-S11	Amaze Loop 66280 Blue
2024AN1049-S12	Amaze Loop 66281 Light Blue
2024AN1049-S13	Amaze Loop 62151 Dark Beige Yellow
2024AN1049-S14	Amaze Loop 62152 Light Beige Yellow
2024AN1049-S15	Amaze Loop 62153 Dark Yellow
2024AN1049-S16	Amaze Loop 62154 Yellow
2024AN1049-S17	Amaze Loop 63147 Dark Yellow Orange
2024AN1049-S18	Amaze Loop 63148 Light Yellow Orange
2024AN1049-S19	Amaze Loop 63149 Dark Orange
2024AN1049-S20	Amaze Loop 64284 Dark Red
2024AN1049-S21	Amaze Loop 63150 Dark Red Orange
2024AN1049-S22	Amaze Loop 61311 Dark Red Brown
2024AN1049-S23	Amaze Loop 61312 Red Brown
2024AN1049-S24	Amaze Loop 61313 Dark Brown
2024AN1049-S25	Amaze Loop 61314 Brown
2024AN1049-S26	Amaze Loop 61315 Dark Brown
2024AN1049-S27	Amaze Loop 68318 Dark Green
2024AN1049-S28	Amaze Loop 68319 Light Green
2024AN1049-S29	Amaze Loop 68320 Dark Green
2024AN1049-S30	Amaze Loop 68321 Yellow Green
2024AN1049-S31	Amaze Loop 68322 Dark Yellow Green
2024AN1049-S32	Amaze Loop 68323 Light Yellow Green





**Isabel Soriano**  
Laboratories and International Offices Subdirector



Date: 23/05/2024 11:16:06

Digitally Signed by: MARIA ISABEL SORIANO SARRIO -

NIF:52716426N

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