

TEST REPORT

2023AN0718

DATE OF RECEPTION

Date Format: dd/MM/yyyy 28/03/2023

DATE TESTS

Starting: 06/04/2023

Ending: 20/04/2023

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
2023AN0718-S01	Step Melange 60345 LIGHT GREY	Fabric
2023AN0718-S02	Step Melange 60346 LIGHT GREY	Fabric
2023AN0718-S03	Step Melange 66262 LIGHT BLUE	Non Woven
2023AN0718-S04	Step Melange 61286 LIGHT BROWN	Fabric
2023AN0718-S05	Step Melange 61288 BEIGE	Fabric
2023AN0718-S06	Step Melange 61289 BEIGE	Fabric
2023AN0718-S07	Step Melange 61293 DARK BEIGE	Fabric
2023AN0718-S08	Step Melange 61291 DARK BROWN	Fabric
2023AN0718-S09	Step Melange 61292 DARK BROWN	Fabric
2023AN0718-S10	Step Melange 61287 LIGHT BEIGE	Fabric
2023AN0718-S11	Step Melange 62143 LIGHT YELLOW	Fabric
2023AN0718-S12	Step Melange 62144 LIGHT YELLOW	Fabric
2023AN0718-S13	Step Melange 62145 YELLOW	Fabric
2023AN0718-S14	Step Melange 62146 YELLOW	Fabric
2023AN0718-S15	Step Melange 63136 LIGHT ORANGE	Fabric
2023AN0718-S16	Step Melange 68298 LIGHT GREEN	Fabric
2023AN0718-S17	Step Melange 68299 LIGHT GREEN	Fabric
2023AN0718-S18	Step Melange 68300 GREEN	Fabric
2023AN0718-S19	Step Melange 68301 YELLOW GREEN	Fabric
2023AN0718-S20	Step Melange 63137 RED ORANGE	Fabric
2023AN0718-S21	Step Melange 63139 LIGHT ORANGE	Fabric
2023AN0718-S22	Step Melange 64270 DARK RED	Non Woven
2023AN0718-S23	Step Melange 64266 LIGHT RED	Non Woven
2023AN0718-S24	Step Melange 64267 LIGHT RED	Fabric
2023AN0718-S25	Step Melange 64268 LIGHT RED	Fabric
2023AN0718-S26	Step Melange 64269 LIGHT RED	Non Woven
2023AN0718-S27	Step Melange 65143 LIGHT PURPLE	Fabric
2023AN0718-S28	Step Melange 66263 BLUE	Fabric
2023AN0718-S29	Step Melange 67135 TURQUOISE	Fabric
2023AN0718-S30	Step Melange 66264 DARK BLUE	Fabric
2023AN0718-S31	Step Melange 66265 DARK BLUE	Fabric

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





2023AN0718-S32	Step Melange 63140 DARK ORANGE	Fabric
2023AN0718-S33	Step Melange 65144 DARK PURPLE	Fabric
2023AN0718-S34	Step Melange 61294 DARK BROWN	Fabric
2023AN0718-S35	Step Melange 63138 ORANGE	Fabric

TESTS CARRIED OUT

- COLOUR FASTNESS TO ARTIFICIAL LIGHT.



RESULTS

COLOUR FASTNESS TO ARTIFICIAL LIGHT

Standard

AATCC TM 16.3:2020

Apparatus

Xenotest ALPHA LM HIGH ENERGY (02364E06)

Starting test date

12/04/2023

Ending test date

14/04/2023

Exposure conditions

Black Panel 63°C, Relative humidity 30%, 420 nm², 1'10 W/m²

Total radiant energy

6912 KJ/m²

Test conditions

Without simple rotation, Mounting Procedure Backed.

Evaluation conditions

Light camera Gretagmacbeth (02021N06)

Grey Scale (0278N12)



Reference	Light fastness
2023AN0718-S01	5
2023AN0718-S02	5
2023AN0718-S03	5
2023AN0718-S04	5
2023AN0718-S05	5
2023AN0718-S06	5
2023AN0718-S07	5
2023AN0718-S08	5
2023AN0718-S09	5
2023AN0718-S10	5
2023AN0718-S11	5
2023AN0718-S12	5
2023AN0718-S13	5
2023AN0718-S14	5
2023AN0718-S15	5
2023AN0718-S16	5
2023AN0718-S17	5
2023AN0718-S18	5
2023AN0718-S19	5
2023AN0718-S20	5
2023AN0718-S21	5
2023AN0718-S22	5
2023AN0718-S23	5
2023AN0718-S24	5
2023AN0718-S25	5
2023AN0718-S26	5
2023AN0718-S27	5
2023AN0718-S28	5
2023AN0718-S29	5
2023AN0718-S30	5
2023AN0718-S31	5
2023AN0718-S32	5
2023AN0718-S33	5
2023AN0718-S34	5
2023AN0718-S35	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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Reference	Description
2023AN0718-S01	Step Melange 60345 LIGHT GREY
2023AN0718-S02	Step Melange 60346 LIGHT GREY
2023AN0718-S03	Step Melange 66262 LIGHT BLUE
2023AN0718-S04	Step Melange 61286 LIGHT BROWN
2023AN0718-S05	Step Melange 61288 BEIGE
2023AN0718-S06	Step Melange 61289 BEIGE
2023AN0718-S07	Step Melange 61293 DARK BEIGE
2023AN0718-S08	Step Melange 61291 DARK BROWN
2023AN0718-S09	Step Melange 61292 DARK BROWN
2023AN0718-S10	Step Melange 61287 LIGHT BEIGE
2023AN0718-S11	Step Melange 62143 LIGHT YELLOW
2023AN0718-S12	Step Melange 62144 LIGHT YELLOW
2023AN0718-S13	Step Melange 62145 YELLOW
2023AN0718-S14	Step Melange 62146 YELLOW
2023AN0718-S15	Step Melange 63136 LIGHT ORANGE
2023AN0718-S16	Step Melange 68298 LIGHT GREEN
2023AN0718-S17	Step Melange 68299 LIGHT GREEN
2023AN0718-S18	Step Melange 68300 GREEN
2023AN0718-S19	Step Melange 68301 YELLOW GREEN
2023AN0718-S20	Step Melange 63137 RED ORANGE
2023AN0718-S21	Step Melange 63139 LIGHT ORANGE
2023AN0718-S22	Step Melange 64270 DARK RED
2023AN0718-S23	Step Melange 64266 LIGHT RED
2023AN0718-S24	Step Melange 64267 LIGHT RED
2023AN0718-S25	Step Melange 64268 LIGHT RED
2023AN0718-S26	Step Melange 64269 LIGHT RED
2023AN0718-S27	Step Melange 65143 LIGHT PURPLE
2023AN0718-S28	Step Melange 66263 BLUE
2023AN0718-S29	Step Melange 67135 TURQUOISE
2023AN0718-S30	Step Melange 66264 DARK BLUE
2023AN0718-S31	Step Melange 66265 DARK BLUE
2023AN0718-S32	Step Melange 63140 DARK ORANGE
2023AN0718-S33	Step Melange 65144 DARK PURPLE
2023AN0718-S34	Step Melange 61294 DARK BROWN
2023AN0718-S35	Step Melange 63138 ORANGE



RESULTS

COLOUR FASTNESS TO ARTIFICIAL LIGHT

Standard

EN ISO 105-B02:2014. Method 2

Apparatus

Xenotest 440 02423E06

Starting test date

06/04/2023

Ending test date

20/04/2023

Exposure conditions

Normal

Evaluation conditions

Light camera Gretagmacbeth (02021N06)

Reference	Light fastness
2023AN0718-S01	8
2023AN0718-S02	8
2023AN0718-S03	8
2023AN0718-S04	8
2023AN0718-S05	8
2023AN0718-S06	8
2023AN0718-S07	8
2023AN0718-S08	8
2023AN0718-S09	8
2023AN0718-S10	8
2023AN0718-S11	8
2023AN0718-S12	8
2023AN0718-S13	8
2023AN0718-S14	8
2023AN0718-S15	8
2023AN0718-S16	8
2023AN0718-S17	8
2023AN0718-S18	8
2023AN0718-S19	8
2023AN0718-S20	8
2023AN0718-S21	8
2023AN0718-S22	8
2023AN0718-S23	8
2023AN0718-S24	8
2023AN0718-S25	8
2023AN0718-S26	8
2023AN0718-S27	8
2023AN0718-S28	8
2023AN0718-S29	8
2023AN0718-S30	8
2023AN0718-S31	8
2023AN0718-S32	8
2023AN0718-S33	8
2023AN0718-S34	8
2023AN0718-S35	8

Remark

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- Depth change: No notes
- 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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2023AN0718-S24	Step Melange 64267 LIGHT RED
2023AN0718-S25	Step Melange 64268 LIGHT RED
2023AN0718-S26	Step Melange 64269 LIGHT RED
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2023AN0718-S34	Step Melange 61294 DARK BROWN
2023AN0718-S35	Step Melange 63138 ORANGE



Isabel Soriano
Chief of Innovation Area



Date: 21/04/2023 7:37:07

Digitally Signed by: MARIA ISABEL SORIANO SARRIO -

NIF:52716426N

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