

# TEST REPORT

**2019AN1653**

**DATE OF RECEPTION**

27/05/2019

**APPLICANT**

GABRIEL A/S  
HULMAGERVEJ 55  
DK-9000 Ålborg

**DATE TESTS**

Starting: 29/05/2019  
Ending: 11/06/2019

Att. BENTE ELLINGSOE

**IDENTIFICATION AND DESCRIPTION OF SAMPLES**

REFERENCES
HUSH 8808 S-41800 60155 GREY
HUSH 8808 S-41800 60158 GREY
HUSH 8808 S-41800 67048 GREEN
HUSH 8808 S-41800 60154 D.GREY
HUSH 8808 S-41800 60156 L.GREY
HUSH 8808 S-41800 60900 BLACK
HUSH 8808 S-41800 61174 L.BROWN
HUSH 8808 S-41800 63058 ORANGE
HUSH 8808 S-41800 64120 RED
HUSH 8808 S-41800 65078 D.PURPLE
HUSH 8808 S-41800 66133 D.BLUE
HUSH 8808 S-41800 67046 BLUE
HUSH 8808 S-41800 68102 L.GREEN

**TESTS CARRIED OUT**

- COLOUR FASTNESS TO ARTIFICIAL LIGHT.
- COLOUR FASTNESS TO RUBBING.
- MEANING OF COLOUR FASTNESS APPRAISAL EVALUATED WITH GREY SCALE.

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

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



## RESULTS

### COLOUR FASTNESS TO ARTIFICIAL LIGHT

#### Standard

AATCC TM 16:2004. Option 3

#### Apparatus

Xenotest ALPHA LM HIGH ENERGY (02364E06)

#### Test date

07/06/2019

#### Exposure conditions

Black Panel 63°C, Relative humidity 30%, 300-400 nm<sup>2</sup>, E 42 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
HUSH 8808 S-41800 60154 D.GREY	5
HUSH 8808 S-41800 60155 GREY	5
HUSH 8808 S-41800 60158 GREY	5
HUSH 8808 S-41800 67048 GREEN	5
HUSH 8808 S-41800 60156 L.GREY	5
HUSH 8808 S-41800 60900 BLACK	4-5
HUSH 8808 S-41800 63058 ORANGE	4-5
HUSH 8808 S-41800 64120 RED	5
HUSH 8808 S-41800 61174 L.BROWN	5
HUSH 8808 S-41800 65078 D.PURPLE	5
HUSH 8808 S-41800 66133 D.BLUE	5
HUSH 8808 S-41800 67046 BLUE	4-5
HUSH 8808 S-41800 68102 L.GREEN	5

#### REMARK

The fastness grade indicated comes up to:

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

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## RESULTS

### 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

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## RESULTS

### COLOUR FASTNESS TO RUBBING

**Standard**

AATCC TM 8:2013

**Testing date**

10/06/2019

**Apparatus**

Crockmeter

**Scale used**

AATCC Gray scale for staining (AATCC evaluation procedure 2)

REFERENCE	DRY STAINING	WET STAINING
HUSH 8808 S-41800 60154 D.GREY	4-5	4-5
HUSH 8808 S-41800 60155 GREY	4-5	4-5
HUSH 8808 S-41800 60158 GREY	4-5	3-4
HUSH 8808 S-41800 67048 GREEN	4-5	4-5
HUSH 8808 S-41800 60156 L.GREY	4-5	4-5
HUSH 8808 S-41800 60900 BLACK	4-5	4-5
HUSH 8808 S-41800 63058 ORANGE	5	5
HUSH 8808 S-41800 64120 RED	4-5	4-5
HUSH 8808 S-41800 61174 L.BROWN	4-5	3-4
HUSH 8808 S-41800 65078 D.PURPLE	4-5	4-5
HUSH 8808 S-41800 66133 D.BLUE	4-5	4-5
HUSH 8808 S-41800 67046 BLUE	4-5	4-5
HUSH 8808 S-41800 68102 L.GREEN	4-5	4-5

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## RESULTS

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

VALUE	MEANING
5	VERY GOOD-EXCELLENT
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**Isabel Soriano**  
**Chief of Innovation Area**

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