

# TEST 134 serial number: 08

## cotton dyed with Direct orange 39

### generally:

<b>according:</b>	Swissatest colour transfer monitors
<b>suitable:</b>	For assessing colour transfer within a washing process.
<b>date of production:</b>	July 2022
<b>durability:</b>	unlimited
<b>storing conditions:</b>	must be well packed and kept in the dark

### specification of base material:

<b>article 211</b>	cotton fabric, percale, bleached, without optical brightener
<b>thread count in cm</b>	warp: 41 weft: 65
<b>yarn count in Tex</b>	warp: 100 weft: 100
<b>weight in g/m<sup>2</sup></b>	90.0
<b>width in cm</b>	152.0
<b>Y-value</b>	92.1
<b>Rem<sub>460nm</sub></b>	88.9

### specification of soiled fabric:

<b>soiling</b>	dyed with Direct orange 39 with a textile dyeing process dyestuff, substantive dyestuf
<b>weight in g/m<sup>2</sup></b>	90.0
<b>width in cm</b>	151.5
<b>Y-value</b>	27.4
<b>Rem<sub>460nm</sub></b>	4.5

### measuring conditions:

instrument	DC800V (spectrophotometer)
illuminant / observer	D65 / 10°
measuring geometry	d/8°
wavelength range	420 to 750nm
filter	UV barrier at 420nm
measuring diameter	26 mm
gloss	excluded

## Data sheet for article 134

### Direct Orange 39 on cotton

**Serial: 08**

washing colour fastness	A1S	A2S		C1S	C2S
Changing	4.4	4.2	Changing	3.2	4.3
staining on:			staining on:		
Acetate	5	4.8	Triacetate filament	4.7	4.7
Bleached cotton	2.5	1.6	Bleached cotton	1.0	1.0
Polyamide 6.6 spun	4.8	3.8	Polyamide 6.6 spun	3.8	3.8
Polyester, type 54 spun	4.9	4.6	Polyester, type 54 spun	4.6	4.6
Polyacrylnitrile, type 75 spun	4.9	4.7	Polyacrylnitrile, type 75 spun	4.5	4.8
Wool	4.7	4.7	Viscose spun type	1.4	1.0

**Dry and wet rub fastness:**

dry:

wet:

**Description of the washing colour fastness:**

Norm: ISO / EN 105-C06

A1S: 40°C, 30 min. 4 g/l ECE detergent

A2S: 40°C, 30 min. 4 g/l ECE detergent  
1 g/l perborate

C1S: 60°C, 30 min. 4 g/l ECE detergent  
pH 10.5 with soda

C2S: 60°C, 30 min. 4 g/l ECE detergent  
1 g/l perborate  
pH 10.5 with soda

**Measuring conditions:**

Instrument: DC 800V (Spectrophotometer)

Illuminant / observer: D65 / 10°

Measuring geometry: d/8°

Wavelength range: 420 to 750nm

UV filter: UV barrier at 420nm

Measuring diameter: 9 mm

Gloss: excluded

Measuring program: Sedo Treepoint, QTex 2.8.2.0