

TEST 134 serial number: 07

cotton dyed with Direct orange 39

generally:

according:	Swissatest colour transfer monitors
suitable:	For assessing colour transfer within a washing process.
date of production:	June 2018
durability:	unlimited
storing conditions:	must be well packed and kept in the dark

specification of base material:

article 211	cotton fabric, percale, bleached, without optical brightener
thread count in cm	warp: 46 weft: 46
yarn count in Tex	warp: 100 weft: 100
weight in g/m²	90.0
width in cm	152.0
Y-value	90.2
Rem_{460nm}	87.8

specification of soiled fabric:

soiling	dyed with Direct orange 39 with a textile dyeing process dyestuff, substantive dyestuf
weight in g/m²	92.0
width in cm	152.0
Y-value	26.3
Rem_{460nm}	4.1

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: 7

washing colour fastness	A1S	A2S	C1S	C2S
Changing	3.5	4	3	3.5
staining on:				
Triacetate filament	5	5	5	5
Bleached cotton	1.5	1.5	1	1
Polyamide 6.6 spun	4.5	4.5	3.5	3
Polyester, type 54 spun	5	5	4.5	4.5
Polyacrylnitrile, type 75 spun	5	5	4.5	5
Viscose spun type	2	2	1	1

Dry and wet rub fastness:

dry: 4.8
 wet: 2.5

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
 A2S: 60°C, 30 min. 4 g/l ECE detergent
 pH 10.5 with soda
 A2S: 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