

# TEST 498 serial number: 01

cotton dyed with Reactive Red 228

generally:

<b>according:</b>	Swissatest colour transfer monitors
<b>suitable:</b>	For assessing colour transfer within a washing process.
<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 Reactive Red 228 with a textile dyeing process dyestuff, reactive deystuff
<b>weight in g/m<sup>2</sup></b>	179.0
<b>width in cm</b>	167.0
<b>Y-value</b>	20.0
<b>Rem<sub>460nm</sub></b>	18.3

**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 498

### Reactive Red 228 on cotton

**Serial: 01**

Norm: ISO / EN 105-C06

washing colour fastness	A1S	A2S
Changing	4.2	4.1
staining on:		
Worsted wool	4.6	4.8
Polyacrylnitrile, type 75 spun	4.8	4.9
Polyester, type 54 spun	5.0	4.9
Polyamide, 6.6 spun	4.9	4.8
Bleached cotton	4.9	4.9
Acetate filament	5.0	4.9

washing colour fastness	C1S	C2S
Changing	3.9	4.6
staining on:		
Triacetate filament	4.9	4.7
Bleached cotton	4.6	4.7
Polyamide, 6.6 spun	4.0	4.1
Polyester, type 54 spun	4.8	4.8
Polyacrylnitrile, type 75 spun	4.8	4.8
Viscose spun type	4.7	4.6

**Description of the washing colour fastness:**

Norm: ISO / EN 105-C06  
 A1S: 40°C, 30 min. 4 g/l ECE'77 detergent  
 A2S: 40°C, 30 min. 4 g/l ECE'77 detergent  
       1 g/l perborate  
 C1S: 60°C, 30 min. 4 g/l ECE'77 detergent  
       pH 10.5 with soda  
 C2S: 60°C, 30 min. 4 g/l ECE'77 detergent  
       1 g/l perborate  
       pH 10.5 with soda

Norm: ISO / EN 105-C09

<b>washing colour fastness</b>	<b>With 12g/l perborate</b>
Changing	2.1

**Description of the washing colour fastness:**

Norm: ISO / EN 105-C09  
 60°C, 30 min. 10 g/l EC'98 detergent  
 1.8 g/l TEAD  
 60°C, 30 min. 10 g/l ECE'98 detergent  
 1.8 g/l TEAD  
 12 g/l perborate

**Dry and wet rub fastness:**

dry: 4.0  
 wet: 3.3

**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