

TEST 101 serial number: 60

cotton soiled with carbon black/olive oil

(STANDARD REFERENCE MATERIAL FOR TECHNICAL TESTS ONLY)

generally:

according:	Swissatest standard soiling
suitable:	sensitive to the amount of detergent and to the level of agitation
date of production:	March 2023
durability:	October 2026 (reviewed in October 2025)
storing conditions:	must be well packed and kept in the fridge by < 8°C.

specification of base material:

article 211	cotton fabric, percale, bleached, without optical brightener
thread count in cm	warp: 41 weft: 65
yarn count in Nm	warp: 100 weft: 100
weight in g/m²	90.0
width in cm	152.0
Y-value	88.9
Rem_{460nm}	86.8

specification of soiled fabric:

soiling	mixture of olive oil and soot olive oil, virgin olive oil soot, carbon pigment as described in IEC 60456
weight in g/m²	93.0
width in cm	143.4
Y-value	16.9
Rem_{460nm}	16.4

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