

# TEST 109

Serial number:

276

**Test strips according to ANSI/AHAM HLW-2-2020**  
(STANDARD REFERENCE MATERIAL FOR TECHNICAL TESTS ONLY)

**Limit date for use:** February 2025

**Storing conditions:** On receipt of a batch of test strips, the strips must be stored at once in a cool, dark place and kept well packed.

Storage temperature: Between -20°C and +5°C.

Packaging: vacuumed

**Please note:** Before opening a packet of test strips please allow packet to acclimatise to room temperature.

**Base material:** Cotton fabric, cretonne, bleached, without brightener according AHAM HLW-2-2020.

**Tristimulus values Y:** unsoiled      90.01      0.56

soiling	soiled fabric	cotton 20°C VA	cotton 40°C	ratio 20°C / 40°C	defined ratios and tolerances 20°C / 40°C
Sebum/Pigments	49.2 0.5	59.6 0.43	64.4 1.33	0.93	0.93 ± 0.04
Carbon blacks	25.3 0.3	39.2 1.16	45.0 0.89	0.87	0.90 ± 0.09
sterilized proteins	15.9 0.4	69.0 0.81	76.7 0.25	0.90	0.92 ± 0.09
chocolate / milks	37.8 0.5	55.8 0.68	64.2 0.62	0.87	0.87 ± 0.05
Aged Red Wines	42.3 0.4	56.0 0.78	58.4 0.32	0.96	0.96 ± 0.04
Sum	170.4 0.7	279.7 2.53	308.8 2.40	0.91	0.92 ± 0.04

**Washing conditions:**

According to AHAM HLW-2-2020  
Washed with Wascator FOM71 CLS  
Number of cycles: 5  
Detergent according to AHAM-HLW-2-2020, Annex A.5  
(IEC A\*P BASE plus 1.05 % Na-Percarbonate)  
Dosage: 60.2 g  
Water hardness: 50ppm

**Measuring conditions:**

Instrument: Spectraflash 500  
Illuminant / observer: D65 / 10°  
Measuring geometry: d/8°  
Wavelength range: 420 to 750nm  
UV filter: UV barrier at 420nm  
Measuring diameter: 26mm  
Gloss: excluded

