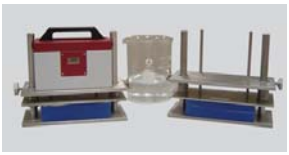
Standard Update: ISO 105-E04:2008 - Colour Fastness to Perspiration

*The **ISO** (the International Organization for Standardization) standard (**ISO 105-E04:1994/Cor.1:2002**) which had been used over 14 years for evaluation of the colour fastness of textiles to the action of human perspiration, was recently revised to the fifth edition, **ISO 105-E04:2008**. Upon the publication of the new edition, the old edition **ISO 105-E04:1994/Cor.1:2002** was withdrawn and replaced.*



*The major changes between the old and new editions are summarized in **Table A**.*

Table A – Major Changes between ISO 105-E04:1994/Cor.1:2002 and ISO 105-E04:2008

Section	105-E04:1994 / Cor.1:2002	ISO 105-E04:2008
3 Principle	Colour assessment by comparison with the grey scale.	Colour assessment by comparison with the grey scale or instrumentally.
4 Apparatus and Reagents		
4.2 Oven	Without an air-circulating fan, maintained at 37 ± 2 ℃.	Maintained at 37 ± 2 ℃.
4.3 Alkaline solution	…brought to pH 8…	…brought to pH 8 (± 0.2)..
4.4 Acid solution	… brought to pH 5.5…	… brought to pH 5.5 (± 0.2)..
4.5 Adjacent fabrics (Table 1)	8 Types of single-fibre adjacent fabrics.	7 Types of single-fibre adjacent fabrics (the adjacent fabric "acetate/viscose" was deleted).
4.8 Spectrophotometer or colorimeter	---	Spectrophotometer or colorimeter for assessing change in colour and staining, complying with ISO 105-A04 and ISO 105-A05.
5 Test specimen (dimensions)	40 mm × 100 mm	(40 ± 2) mm × (100 ± 2) mm
6 Procedure		
6.1 Preparation of specimen	---	Require weighing of each composite specimen before and after soaking in perspiration solution to ensure the wetted composite specimen weighs 2 to 2.5 times its original weight.
6.2 Incubation	---	Require positioning the test devices containing the composite specimens such that the test specimens are in the vertical position.
6.4 Colour assessment	By comparison with the grey scale.	By comparison with the grey scale or instrumentally.

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Hong Kong : 16/F.-17/F., Tower B, Regent Centre, 63 Wo Yi Hop Rd., Kwai Chung, N.T., Hong Kong Tel: 852-2423 3092 Fax: 852-2480 5436
China (Shenzhen) : No. 29, 6 South Keji Rd., High-Tech Ind. Park, Nanshan District, Shenzhen 518057, China Tel: 86-755-2601 8600 Fax: 86-755-2601 8617
China (Shanghai) : 4F Annex, Dragon Pearl Plaza, 2123 Pudong Avenue, Shanghai 200135, China Tel: 86-21-6855 6806 Fax: 86-21-6855 6812