



Textiles — Binary fibre mixtures — Quantitative chemical analysis

AMENDMENT 1

Amendment 1 to International Standard ISO 1833-1977 was developed by Technical Committee ISO/TC 38, *Textiles*, and was circulated to the member bodies in November 1978.

It has been approved by the member bodies of the following countries :

Australia	Germany, F. R.	Romania
Brazil	Ghana	South Africa, Rep. of
Bulgaria	Hungary	Spain
Canada	India	Sweden
Cyprus	Israel	Switzerland
Czechoslovakia	Japan	Turkey
Denmark	Korea, Rep. of	United Kingdom
Egypt, Arab Rep. of	Mexico	USA
Finland	New Zealand	USSR
France	Poland	Yugoslavia

The member bodies of the following countries expressed disapproval of the document on technical grounds :

Belgium
Italy
Netherlands

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Sub-clause 5.1 : Add at the end of the sub-clause the following sentences :

"However, for certain types of modal fibre which are difficult to dissolve, it is possible to repeat the procedure modified as described in 5.5. This procedure is not always applicable to mixtures containing cotton which has been mercerised".

Sub-clause 5.3.1 : Replace the first paragraph by the following text :

"5.3.1 Formic acid/zinc chloride. Prepare a solution

containing 20 g of anhydrous (fused) zinc chloride and 68 g of anhydrous formic acid {or the equivalent quantity of aqueous formic acid [85 to 98 % (m/m)]}, made up to 100 g with water.

Attention is drawn to 1.3, as the purity of these reagents is essential in this method."

Sub-clause 5.4.2 : Replace this sentence by the following text :

"5.4.2 Heating apparatus, suitable for maintaining the temperature at $40 \pm 2^\circ\text{C}$ (or $70 \pm 2^\circ\text{C}$ if the high temperature is used)."

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Sub-clause 5.5 : Add the following text between the third and fourth sentences of the third paragraph :

“(For certain modal fibres for which the procedure is not suitable, repeat the determination using a new specimen but maintain the temperature of the reagent at 70 ± 2 °C for a period of 20 ± 1 min. Rinse with a further 20 ml of

reagent, preheated to 70 °C, and then wash the crucible and residue thoroughly with water also at 70 °C.)”

Sub-clause 5.6 : Add at the end of the sub-clause the following sentence :

“(If the high temperature procedure is used, the value of d is 1,03 for cotton.)”
