

මෙය රාජ්‍ය භාෂාවෙන් වෙනම මුද්‍රණය කර ඇත.

ලංකා ප්‍රමිති 174 : 1972
CEYLON STANDARD 174 : 1972
විශ්ව දහම වර්ග කිරීම UDC 677.01:677.04:677.46

විස්කෝස් රේයෝන් වලින්
ඇසිටේට් නූල් සහ රෙදි පිළි වර්ග
වලින් ජෙලටින් සහ තෙල් කැඳ
ගතිය නිර්ණය කිරීම සඳහා ක්‍රමය

METHOD FOR THE DETERMINATION OF
GELATINE AND OIL SIZE IN VISCOSE
RAYON, ACETATE YARN AND FABRIC

ලංකා ප්‍රමිති කාර්යාංශය
BUREAU OF CEYLON STANDARDS

**METHOD FOR THE DETERMINATION OF
GELATINE AND OIL SIZE IN VISCOSE
RAYON, ACETATE YARN AND FABRIC**

C.S. 174 : 1972

Gr.2



Copyright Reserved

BUREAU OF CEYLON STANDARDS
53, DHARMAPALA MAWATHA,
COLOMBO 3.

CEYLON STANDARD METHOD FOR THE DETERMINATION OF GELATINE AND OIL SIZE IN VISCOSE RAYON, ACETATE YARN AND FABRIC

FOREWORD

This Ceylon Standard has been prepared by the drafting Committee on test methods for Textiles. It was approved by the Textiles Divisional Committee of the Bureau of Ceylon Standards, and was authorised for adoption and publication by the Council of the Bureau on 30th November, 1972.

It is common practice for warp yarns of continuous filament viscose rayon or cellulose acetate to be sized with a solution of gelatine in which a non-volatile oil has been emulsified. Unsized yarn loses about 1 per cent in mass in the de-sizing process, and a correction for the loss, in the form of a factor has to be applied to the mass of the residue. The correction can be determined if a specimen of the corresponding unsized yarn is available. In the absence of such a specimen the values for the correction factor are assumed.

All quantities and dimensions specified in this standard are given in the International System of Units (SI). In reporting the result of analysis made in accordance with this standard, if the final value, observed or calculated is to be rounded off, it shall be done in accordance with C. S. 102 : Ceylon Standard on Presentation of Numerical Values.

In the preparation of this standard, considerable assistance derived from publications of the British Standards Institution is gratefully acknowledged.

1. SCOPE

This Ceylon Standard describes a procedure for the removal of size from viscose rayon and acetate yarn and fabric in which the size is based on gelatine and a non-volatile non drying oil.

2. PRINCIPLE

A weighed amount of the dry sized material is extracted with light petroleum, and the gelatine is removed by hydrolysis in a suitable enzyme solution. The loss in mass is determined after washing and drying the specimen, and expressed as a percentage of the mass of the original (unsized) material.