

CEYLON STANDARD 124:1971
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**SPECIFICATION FOR
TEST SIEVES
(METRIC UNITS)**

BUREAU OF CEYLON STANDARDS

SPECIFICATION FOR TEST SIEVES
(METRIC UNITS)

CS 124:1971

Gr.8

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BUREAU OF CEYLON STANDARDS
53, Dharmapala Mawatha,
Colombo 3,
Sri Lanka.

CEYLON STANDARD
SPECIFICATION FOR TEST SIEVES
(METRIC UNITS)

FOREWORD

This Ceylon Standard Specification was prepared by the Drafting Committee on Test Sieves. It was approved by the Metric Divisional Committee of the Bureau of Ceylon Standards and was authorised for adoption and publication by the Council of the Bureau on 1971-12-02.

This Standard Specification is based on ISO recommendations and it follows the international practice in making use of preferred number series and in expressing dimensions solely in metric units, that is, millimetres (mm) and micrometres (μm).

The nominal aperture sizes for woven wire cloth and perforated plates in Test Sieves stated in ISO/R 565 are 24 principal sizes in R 20/3 series (in which the ratio of successive sizes is 1.4) and 9 supplementary sizes in R 10 series (in which the ratio of successive sizes is about 1.26). In order to give a sufficient choice of sizes, in practice, most national standards specify nominal sizes in a series having a smaller ratio than 1.4. To meet this need ISO/R 565 states 'Pending the derivation of a more extensive ISO series of apertures, it is recommended that member bodies requiring sizes

additional to these stated should select them from the R 10, R 20, or R 40 series of Preferred Numbers*.

The nominal aperture sizes for woven wire cloth and perforated plates in test sieves given in this standard are therefore taken from R 40 series in which the ratio between successive sizes is 1.19 (R 40/3).

The nearest metric sizes to the obsolescent inch sizes and the approximate mesh numbers are given in Appendices.

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or observation shall be rounded off in accordance with CS 102**. The number of figures to be retained in the rounded off values shall be the same as that of the specified value in this standard.

In preparing this standard, considerable assistance was obtained from the publications of the British and Indian Standards Institutions.

1 SCOPE

This Ceylon Standard specifies requirements for test sieves to be used for determining the size distribution of granular material in the particle size range from 125 mm down to 38 μ m. It covers both woven wire cloth and perforated plate sieving media.

*Preferred numbers are given in CS 103.

**CS 102 Presentation of numerical values.