

**BUREAU OF INDIAN STANDARDS**

**DRAFT FOR COMMENTS ONLY**

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भारतीय मानक मसौदा

**चिकित्सा प्रयोगशाला हेतु कांच का सामान – रॉक्स  
जीवाण्विक फ्लास्क - विशिष्टि**

*(IS 6942 का पहला पुनरीक्षण)*

*Draft Indian Standard*

**Medical Laboratory Glassware – Roux Bacteriological  
Flask - Specification**

*(First Revision of IS 6942)*

ICS 11.040.55

Medical Laboratory Instruments Sectional  
Committee, MHD10

Last Date of Comments: **03 Nov 2024**

FOREWORD

*(Formal Clause, will be added later)*

This Indian Standard was originally published in 1973 with the title ‘Specification for Flask, Roux, Bacteriological, with or without offset neck (1000 ml Nominal Capacity)’. This revision has been brought out to align it with the recent developments, to update the cross-references to the latest editions and to bring the standard in line with the latest style and format of Indian Standards.

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 analysis, shall be rounded off in accordance with IS 2 : 2022 ‘Rules for rounding off numerical values (Second Revision)’

*Draft Indian Standard*  
**Medical Laboratory Glassware – Roux Bacteriological Flask -  
Specification**

## **1 SCOPE**

This Indian Standard specifies the requirements bacteriological Roux flask with or without offset neck of 1000 ml nominal capacity.

## **2 REFERENCES**

The standards given below contain provisions which, through reference in this text, constitute provisions of this standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent editions of these standards.

<i>Indian Standard</i>	<i>Title</i>
IS/ISO 718 : 1990	Laboratory glassware — Thermal shock and thermal shock endurance — Test methods
IS 1382 : 1981	Glossary of terms relating to glass and glassware (First Revision)
IS 18219 : 2023/ISO 3585:1998	Borosilicate glass 3.3 – Properties
IS 4426: 1992	Methods of sampling Laboratory glassware (First Revision)

## **3 TERMINOLOGY**

For the purpose of this standard, the definitions given in IS 1382 shall apply.

## **4 MATERIAL**

The flask shall be made from borosilicate glass 3.3 in accordance with IS 18219 : 2023/ISO 3585:1998.

## **5 SHAPE, DIMENSIONS AND CAPACITY**

The shape and dimensions shall be as given in Fig. 1.

## **6 WORKMANSHIP AND FINISH**

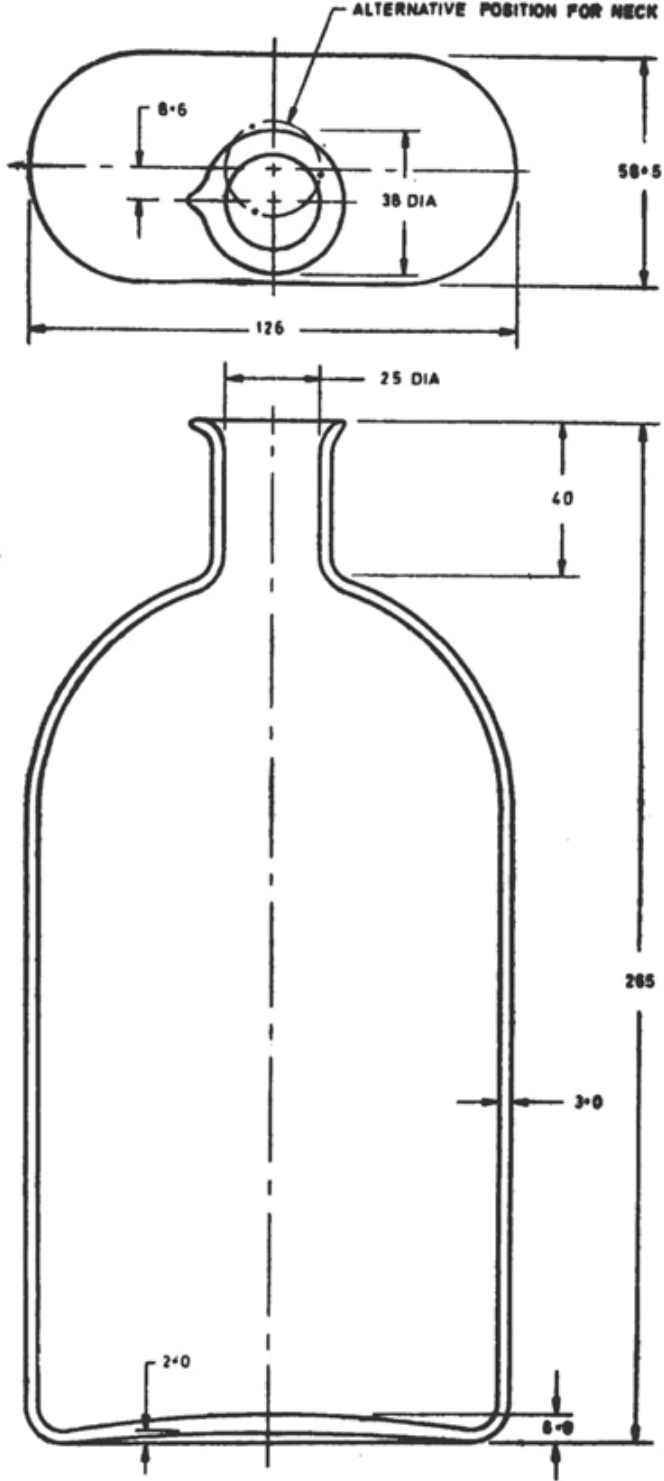
**6.1** The flask shall be well annealed and shall be substantially free from blisters, bubbles, striae, stones and other visible defects.

**6.2** The flask shall be symmetrical in shape except for the offset neck.

**6.3** There shall be a reasonably uniform distribution of glass all over the walls and the base.

**6.4** The flask shall be smoothly finished.

- 6.5 It shall not rock when placed on a level surface and it shall not topple over on a surface inclined at an angle of 10 degrees to the horizontal.
- 6.6 The neck of the flask shall be of even bore.



All dimensions in millimetre  
Fig. 1 Flask, Roux, with or without offset neck

## 7 TESTS

- 7.1 Thermal Shock Test:** Thermal shock test shall be in accordance with IS/ISO 718.
- 7.2 Dry Heat Test:** The flask shall be subjected to a dry heat test in a sterilizing oven at  $(180 \pm 2)$  °C for 30 min. It shall not show deterioration in any way.
- 7.3** The flask shall be autoclaved at a steam pressure of  $1.4 \text{ kg/cm}^2$  for half an hour. It shall not crack or show any signs of damage.

## 8 MARKING

- 8.1** The flask shall be marked permanently and legibly with the following inscriptions:
- a) Name of the manufacturer, his initials or recognized trademark
  - b) Nominal capacity in millilitres

### 8.2 BIS Certification Marking

The product(s) conforming to the requirements of this standard may be certified as per the conformity assessment schemes under the provisions of the *Bureau of Indian Standard Act, 2016* and the Rules and Regulations framed thereunder, and the product(s) may be marked with the Standard Mark.

## 9 PACKING

Each flask shall be packed as given as agreed between the manufacturer and the purchaser.

**9.1** Each flask shall be packed as given in 9.1.1 or as agreed to between the manufacturer and the purchaser.

**9.1.1** Each flask shall be enclosed in a cardboard carton, cushioned with cotton wool at the neck.

## 10 SAMPLING

**10.1** Sampling and acceptance criteria shall be as agreed to between the purchaser and the supplier preferably as given in IS 4426.