



भारतीय मानक ब्यूरो

(उपभोक्ता मामले, खाद्य एवं सार्वजनिक वितरण मंत्रालय, भारत सरकार)

**BUREAU OF INDIAN STANDARDS**

(Ministry of Consumer Affairs, Food & Public Distribution, Govt. of India)

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## Review Document

### Basic Details

1.	Sectional Committee No. & Title:	MHD 10 - Medical Laboratory Instruments
2.	IS No :	IS 3741 : Part 1 : 1990
3.	Title :	Medical instruments sedimentation tubes - Specification: Part 1 westergren tube (Second Revision)
4.	Date of Previous Review:	February, 2016

### Review Analysis

#### 5.1 Status of standard(s), if any from which assistance had been drawn in the formulation of this IS.

S.No.	Standard (No.)	Standard (Title)	Whether the standard has since been revised	Major changes	Action proposed
No entry made in this table					

**5.2 Status of standard referred in the IS.**

S.No.	Referred standards (No.)	Referred standards (Title)	Since revised IS no. of the corresponding IS	Changes in the referred Standards since last review of IS	Changes in the referred standard which are affecting the standard under review	Action proposed
1	IS 2303: 1963	Method of grading glass for alkalinity	IS 2303 (Part 1/Sec 1): 2021	The IS has been divided into 3 parts 1) Part 1 Hydrolytic Resistance of Glass Grains (Determination and classification of hydrolytic resistance at 98Â°C and 121Â°C) 2) Part 2 Hydrolytic Resistance of Glass Containers - Determination by Titration Method and Classification 3) Part 3 Hydrolytic Resistance of Glass Containers & Determination by Flame Spectrometry and Classification The major changes in this revision are, a) A more precise definition of the field of application by means of glass types is added; b) Wherever possible, a harmonization with the identical paragraphs in the European Pharmacopoeia and the USP is established to simplify the application in the laboratories globally; c) The usage of acetone is restricted to always fresh, new acetone, since re-usage might lead to deviating test results; and d) The maximum temperature and its tolerance field is simplified and oriented on the technical conditions of a water basin. The revisions are undertaken to align with the latest ISO base standards.		The revised version of the Indian Standard may be referred. The revised version of the Indian Standard Part1/Sec2 may be referred for HGA-1 class of glass.

**5.3 Any other standards available related to the subject & scope of the standard being reviewed (International/regional/other national/association/consortia, etc or of new or revision of existing Indian Standard).**

S.No.	Standard (No.)	Standard (Title)	Provisions that could be relevant while reviewing the IS	Action proposed
1	ISO 13079:2011	Laboratory glass and plastics ware & Tubes for the measurement of the erythrocyte sedimentation rate by the Westergren method		The standard is world wide accedpted and can be adopted in current form/with medication following committee deliberations.
2	ASTM E923-97(2019)	Standard Specification for Glass Westergren Tube, Reusable		
3	ASTM E1046-85(2021)	Standard Specification for Glass Westergren Tube, Disposable		

**5.4 Technical comments on the standard received, if any.**

S.No.	Source	Clause of IS	Comment	Action proposed
No entry made in this table				

5.5 Information available on relevant technical developments				
S.No.	Source	Development	Relevant clause of the IS under review that is likely to be impacted (Clause & IS No.)	Action proposed
1	General	Single use and reusable tubes are available in the market. The material requirements has also been changed as per current market requirements.		Standard may be revised following deliberations within the committee.

5.6 Issues arising out of changes in any related IS or due to formulation of new Indian Standard.					
S.No.	Related IS (revised or new)	Related IS Title	Provision in the IS under review that would be impacted & the clause no. or addition of new clause/provision	Changes that may be necessary in the Standards under review	Action proposed
No entry made in this table					

5.7 Any consequential changes to be considered in other IS.				
S.No.	Related IS to get impacted	Related IS Title	Requirements to be impacted	
No entry made in this table				

Other Details		
6.	Any other observation:	a. Based on the desk review, single use as well as reusable sedimentation tubes are available in the market. that Experts may confirm the relevance of subject with respect to the current market/development scenario. b. Absence of Hindi Title. Experts may confirm the revised Hindi Title.
7.	Upload Supporting Document(s)	
7.1 ARP Report		<a href="#">64_10337_231106102509_ARP_Report.docx</a>
7.2 Draft Document		No Document Uploaded
8.	Recommendations - On the basis of the analysis of the info available as mentioned above consideration of sectional committee is solicited on the following aspects of the IS under review:	a. Based on the desk review, single use as well as reusable sedimentation tubes are available in the market. The scope of the standard may be extended to cater for the current market requirements. b. BIS Certification Marking clause may be added instead of ISI marking clause. c. Packing and Sampling Clause may be elaborated. d. Title of the IS may be reframed. e. The available ISO standard may be considered to be adopted in current form/with medication following committee deliberations.