



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)

मानक भवन, 9 बहादुरशाह जफर मार्ग नई, दिल्ली-110002

Manak Bhavan, 9 Bahadur Shah Zafar Marg, New Delhi-110002

Phones: 23230131 / 23233375 / 23239402

Website: www.bis.org.in, www.bis.gov.in

Review Document

Basic Details

1.	Sectional Committee No. & Title:	PCD 27 - Methods of Sampling and Test for Plastics
2.	IS No :	IS 13055 : 1991
3.	Title :	Methods of sampling and test for anaerobic adhesives and sealants
4.	Date of Previous Review:	February, 2018

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
1	MIL -S-46163	Test method for breakaway strength			
2	MIL-R-46082A- 1968	Test method for static shear strength			
3	MIL -S - 22473D	test method for prevailing strength			
4	DIN - 54452-1982	Testing of adhesive bonded metal joints 'compression shear test'	Withdrawn		
5	DIN-54453-1982	Testing of adhesive for metals and bonded metal joints 'Dynamic Viscosity' Determination	Withdrawn		
6	DIN-54454-1977	Testing of adhesives for metals of bonded metal joints, initial break away test on bonded screw threads	Withdrawn		
7	JIS-K- 6820-1977	Standards for testing sealants			
8	BS 5350 (Part 1) : 1987	Methods of test for anerobics Determination of torque strength on a threaded fastener			
9	BS 5350 (Part 2) : 1987	Methods of test for anerobics Determination of static shear strength			
10	BS 5350 (Part 3) : 1987	Methods of test for anerobics Determination of ability of anerobic adhesives to set on metal surfaces			
11	NF : T76-121-1987	Structural adhesives - Determination of pin and collar type assembly shear strength			
12	ISO/DIS/10123	Adhesives - Determination of shear strength of anaerobic adhesives using pin and collar specimens			

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1	IS 226 : 1975	Structural steel (standard quality) (fifth revision)	Withdrawn	Nil	Nil	Nil
2	IS 1839 : 1961	Toluene, reagent grade	IS 537 : 2011 Toluene - Specification (second revision)	Updated the standard in accordance with the latest development in the field; additional requirement of determination of purity by gc, non aromatic hydrocarbons, benzene content, C-8 aromatic and water content have been included; requirement of residue on evaporation has been deleted.	Nil	Nil
3	IS 4578 : 1968	Lubricating oils for refrigeration machinery	IS 4578 : 1997 Lubricants - Lubricating oil for refrigeration machinery - Specification (Second Revision)	the lubricants based on non-petroleum products such as synthetic base and refrigeration oils with specified flow points have been incorporated. New grade VG 100 has also been included.	Nil	Nil
4	IS 265 : 1976	Hydrochloric Acid (second revision)	IS 265 : 2021 HYDROCHLORIC ACID SPECIFICATION Fifth Revision	Food grade of hydrochloric acid has been introduced. Road tankers have been included while screw capped stone ware bottles have been deleted in packing clause. Sulphates (as H ₂ SO ₄) percent by mass, the factor has been corrected as 42.06 instead of 42.02. Further, silica dish has been included along with platinum dish for testing residue on ignition.	Nil	Nil
5	IS 335 : 1983	New insulating oils (Third revision)	IS 335 : 2018 New insulating oils - Specification (Fifth Revision)	one class of oil has been replaced by three classes, namely Type I transformer oil (in line with IEC 60296), Type II transformer oil with higher viscosity max. values at 40°C and third low temperature switchgear oil, but a new concept, the lowest cold start energizing temperature, has been included; new properties have been added (that is sulphur content, gassing tendency, PCA, PCB and furan); values for properties have been revised, and test methods have been revised (that is acidity, corrosive sulphur and oxidation stability).	Nil	Nil
6	IS 361 : 1973	Normal butyl alcohol, technical (second revision)	IS 361 : 2009 Normal butyl alcohol, technical specification (Third Revision)	incorporated the requirement of purity of normal butyl alcohol. Gas chromatographic method has been prescribed for determination of purity, wherein known impurities can also be estimated .	Nil	Nil
7	IS 554 : 1985	Dimensions for pipe threads where pressure tight joints are required on threads (third revision)	IS 554 : 1999 Pipe threads where pressure - Tight joints are made on the threads - Dimensions, tolerances and designation (Fourth Revision)	Align the standard with latest version of ISO 7-1 which has been technically revised	Nil	Nil
8	IS 1070 : 1977	Water for general laboratory use (second revision)	IS 1070 : 1992 Reagent grade water - Specification (Third Revision)	revised to cover different grades of reagent water used for different purposes and also to align it with ISO 3696 : 1987; limits for three grades of water depending on their end use have been specified and the characteristics have also been suitably modified.	Nil	Nil
9	IS 1364 (Part 1) : 1983	Hexagon head bolts, screws and nuts of product grades A and B (Part 1) Hexagon head bolts (size range M 3 to M 36) (second revision)	IS 1364 (Part 1) : 2018 ISO 4014 : 2011	revision of this standard has been undertaken to align it with the latest version of ISO 4014 published in 2011.	Nil	Nil
10	IS 1364 (Part 2) : 1983	Hexagon head bolts, screws and nuts of product grades A and B (Part 2) Hexagon screws (size range M3 to M 36)(Second revision)	IS 1364 (Part 2) : 2018 ISO 4017 Hexagon head bolts, screws and nuts of product grades A and B; Part 2 hexagon head screws (Size Range M 1.6 To M 64) (Fifth Revision)	revision has been prepared by adoption of latest version of ISO 4017 published in 2014.	Nil	Nil
11	IS 1364 (Part 1) : 1983	Hexagon head bolts, screws and nuts of product grades A and B (Part 3) Hexagon nuts (size range M 1.6 to M 36) (second revision)	IS 1364 (Part 3) : 2018 ISO 4032 Hexagon Head Bolts, Screws and Nuts of Product Grades A and B Part 3 Hexagon Nuts, Style 1 (Size Range M 1.6 To M 64)	revision of this standard has been undertaken to align it with the latest version of ISO 4032 : 2012.	Nil	Nil
12	IS 1460 : 1974	Diesel fuels (Second revision)	IS 1460 : 2017 Automotive diesel fuel - Specification (Sixth Revision)	In this sixth revision, requirements for Bharat stage II (BS II) and Bharat Stage III (BS III) automotive diesel fuel have been deleted; amendments have been incorporated	Nil	Nil

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
No entry made in this table				

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
No entry made in this table				

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:	Committee in its last meeting has decided to revise the standard by updating the cross referred standards.
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7.	Upload Supporting Document(s)	
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7.1 ARP Report	69_4551_221010050007_ARP_Report.pdf
7.2 Draft Document	69_4551_221010050023_Draft_Document.pdf

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:	Committee in its last meeting has decided to revise the standard by updating the cross referred standards and by incorporating the amendments.
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