



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:	MED 16 - Gas Cylinders
2.	IS No :	IS 16175 : 2014
3.	Title :	Periodic inspection and requalification - Liquefied petroleum gas (LPG) cylinders for automotive use - Code of practice
4.	Date of Previous Review:	March, 2019

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	-	-	-	-	-

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	5 : 1978	Colours for ready mixed paints and enamels	Revision in 2007 (sixth revision)	substantial assistance was provided in the measurement and checking of colour values by M/s Jay Instruments and Systems Pvt Ltd, Mumbai and active collaboration of the panel of referees comprising of experts from National Test House, Kolkata; M/s Berger Paints India Ltd, Kolkata; M/s Shalimar Paints Ltd, Kolkata; MA Asian Paints Ltd, Mumbai and M/s Kansai Nerolac Paints Ltd, Mumbai in matching of colour shades, which are thankfully acknowledged.		Update with revised standard
2	5844 : 1970	Recommendations for hydrostatic stretch testing of compressed gas cylinders	Revision in 2014 (first revision)	a) For Water Jacketed Method α_{10} Levelling Burette Method α_{10} of testing is added. b) Mentioned use of calibration cylinder for calibrating the system. c) For Non-Water Jacketed Method α_{10} calculation of compressibility of water α_{10} modified		Update with revised standard
3	7241 : 1981	Glossary of terms used in gas cylinder technology	No revision	No any		No action required
4	8868 : 1988	Periodical inspection interval for gas containers in use	withdrawn	withdrawn		Update reference
5	9121 : 2005	Inspection gauges for checking type 1 (size 2) taper threads of gas cylinder valves, taper 1 in 16 α_{10} Specification (first revision)	withdrawn	withdrawn		Update reference
6	9122 : 2008	Inspection gauges for checking type 2 taper threads of gas cylinder valves, taper 3 in 25 α_{10} Specification (first revision)	Revision in 2023 (second revision)	Technical assistance has been derived from ISO 11363-1 : 2018 and ISO 11363-2 : 2017		Update with revised standard.
7	14899 : 2000	Liquefied petroleum gas (LPG) containers for automotive use α_{10} Specification	Revision in 2014 (first revision)	Assistance has been derived from: a) United Nations Regulation No. 67, Uniform Provisions Concerning α_{10} Part 1: Approval of specific equipment of vehicles of category M and N using liquefied petroleum gases in their propulsion system and Part 2: Approval of a vehicle of category M and N fitted with specific equipment for the use of liquefied petroleum gases in its propulsion system with regard to the installation of such equipment. b) ISO 20826 : 2006 α_{10} Automotive LPG components α_{10} Containers α_{10}		Update with revised standard.
8	15100 : 2001	Multifunction valve assembly for permanently fixed liquefied petroleum gas (LPG) containers for automotive use valve for auto LPG containers	Revision in 2018 (first revision)	a) Male threads are specified as an alternate to Female thread for Filler Connector in 3.2. b) The test period for the hydrostatic test is increased from 1 min to 2 min in 9.1.4. c) The requirements of Vibration test in 9.8.6.7 are more clarified. d) Period for Salt Spray in C-3.3 added		Update with revised standard
9	IS/ISO 9001 : 2008	Quality management systems α_{10} Requirements	Revision in 2015 (fourth revision)	Adoption of IS/ISO 9001 : 2015		Update with revised standard

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	-	-	-	-

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	Industry Association	https://dergipark.org.tr/tr/download/article-file/217728	IS 16175	The committee may review
2	Academic/ Research Organization	https://www.researchgate.net/figure/Mechanical-properties-of-LPG-cylinders-10b11336123071::text=material20of20the20LPG20cylinders,carbon20steel20with203mm20thickness.	IS 16175	The committee may review

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:	
7.	Upload Supporting Document(s)	
7.1 ARP Report		68_21734_231116125742_ARP_Report.docx
7.2 Draft Document		68_21734_231116125750_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:	The committee may take up reaffirmation of the standard.