



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:	MTD 9 - Ores and Feed Stock for Non-Ferrous (Excluding Aluminium and Copper) Industry, their Metals/ Alloys and Products Sectional Committee
2.	IS No :	IS 209 : 1992
3.	Title :	Zinc ingot - Specification (Fourth Revision)
4.	Date of Previous Review:	March, 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	NIL	NIL	NIL	NIL	NIL

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 1387 : 1967	General requirements for the supply of metallurgical materials (First revision)	IS 1387: 1993	It was felt that the original title of the specification made reference only to metals and metal products and as such doubts were expressed while making reference to this standard in specifications relating to raw materials, such as refractory materials, ferro-alloys, metallurgical coke and foundry raw materials. Therefore, it was decided to change the title and scope of this standard to cover metallurgical materials including raw materials and finished products.	NO MAJOR CAHNGES	the revised standard may be referred.
2	IS 2600: 1964	Methods of chemical analysis of high purity and zinc base alloys for die casting	This standard was first published in 1964 and has been revised (in parts) on the basis of implementation of the standard by the manufacturers and the testing. This standard (Part 7) cover the methods for the determination of aluminium by titrimetric method in zinc and zinc based alloys for die castings. The other parts in the series are: Part 1 Determination of copper, iron, nickel, tin and thallium by spectrophotometric, Part 2 Determination of copper, iron, lead and cadmium by atomic absorption spectrometric method, Part 3 Determination of indium by atomic absorption spectrometric method, Part 4 Determination of chromium by spectrometric method, Part 5 Analysis by inductively coupled plasma optical emission spectrometry, and Part 6 Determination of magnesium by atomic absorption spectrometric method.	The standard was revised from time to time and now has 7 parts	The methods of analysis have been changed.	REfer to IS 1528 pART5, pART6,Part7 may be referred. Additionally ISO 3815-1 may also be adopted.,
3	IS 1817 : 1961	Methods of sampling non-ferrous metals for chemical analysis	not revised since	NA	NA	For sampling the standards of ISO ISO 20081 may be referred which is more specific and eloberate to zinc and zinc alloys

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 752: 2004	ZINC INGOTS	CHEMICAL COMPOSTION CLAUSE, MARKING, SCOPE, Terminolgy. The standard also mentions only refined zinc not dependnet on the source of material that is primary or secondary.	Harmonize the gardes with ISO 752 and teh terminology. Especially merging the standards IS 13229, is 4699 INTO A SINGLE STANDARD OF REFINED ZINC
2	JIS H 2107 : 2015	ZINC INGOTS	CHEMICAL COMPOSTION CLAUSE, MARKING, SCOPE, Terminolgy. The standard also mentions only refined zinc not dependnet on the source of material that is primary or secondary.	Harmonize the gardes with ISO 752 and teh terminology. Especially merging the standards IS 13229, is 4699 INTO A SINGLE STANDARD OF REFINED ZINC
3	ASTM B6 :2018	Standard specification for zinc	CHEMICAL COMPOSTION CLAUSE, MARKING, SCOPE, Terminolgy. The standard also mentions only refined zinc not dependnet on the source of material that is primary or secondary.Clause 1.2 for exlsion of sweated or remeltined zinc	Harmonize the gardes with ISO 752 and teh terminology. Especially merging the standards IS 13229, is 4699 INTO A SINGLE STANDARD OF REFINED ZINC

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:	<p>The panel 2 and Panel 4 in its combined meeting having stakeholders from both primary and secondary manufactures recommended to have a single standard on refined zinc IS 209 instead of three different standards IS 209, IS 4699, IS 13229 to inline with the international practices. Various changes were proposed in the standard taking assistance from international standards like ISO 752: 2004 ASTM B6 :2018 BSEN 1179: 2003 BSEN 13283 : 2002 ASTM B 960 : 2018 ISO 1461 : 2022 JIS H 2107 : 2015 ISO 20081 ISO 3815-1 and 2 iso 3750 , iso 1169 ETC</p>				
7.	Upload Supporting Document(s)					
<table border="1"> <tr> <td data-bbox="137 443 568 510">7.1 ARP Report</td> <td data-bbox="568 443 1458 510">70_8630_230323111400_ARP_Report.pdf</td> </tr> <tr> <td data-bbox="137 510 568 577">7.2 Draft Document</td> <td data-bbox="568 510 1458 577">70_8630_230323111425_Draft_Document.docx</td> </tr> </table>			7.1 ARP Report	70_8630_230323111400_ARP_Report.pdf	7.2 Draft Document	70_8630_230323111425_Draft_Document.docx
7.1 ARP Report	70_8630_230323111400_ARP_Report.pdf					
7.2 Draft Document	70_8630_230323111425_Draft_Document.docx					
8.	<p>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:</p>	<table border="1"> <tr> <td data-bbox="820 618 1458 752"> <p>The panel 2 and Panel 4 in its combined meeting having stakeholders from both primary and secondary manufactures recommended to have a single standard on refined zinc IS 209 instead of three different standards IS 209, IS 4699, IS 13229 to inline with the international practices</p> </td> </tr> </table>	<p>The panel 2 and Panel 4 in its combined meeting having stakeholders from both primary and secondary manufactures recommended to have a single standard on refined zinc IS 209 instead of three different standards IS 209, IS 4699, IS 13229 to inline with the international practices</p>			
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