



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:	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 4280 : 1992
3.	Title :	Refined secondary tin - Ingot specification (Second Revision)
4.	Date of Previous Review:	February, 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	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 supply 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 reffered.
2	IS 1817 : 1961	Methods of sampling non-ferrous metals for chemical analysis	not revised since	NA	NA	THE STANDARD MAY BE REFFERED AS IT IS
3	IS 1940 : 1969	Methods of chemical analysis of tin ingots ( First revision)	Not revised since	NA	NA	THE STANDARD MAY BE REFFERED AS IT IS

**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
1	IS 26-1992	Tin ingot - Specification (Fourth Revision)		The standard IS 4280 : 1992 may be withdrawn and the scope of this standard will be covered within the scope of IS 26 to cover the refined tin produced from either primary or secondary source or a combination of both, in line with the international practices	It is being proposed to merge the standard IS 4280 (Refined Secondary tin Ingot) with a common title Tin Ingot as per the available International Standards ASTM B 339, BSEN 610 and GB/T 728.

**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:	The grades mentioned in IS 4280 are below 99 purity , also 96 percent purity grade is also mentioned , which indicates the the grades are not belonging to the refined tin. These grades may be produced during smelting stages only or intermediate products of production process
7.	Upload Supporting Document(s)	
<b>7.1 ARP Report</b>		<a href="#">70_10911_230303022351_ARP_Report.docx</a>
<b>7.2 Draft Document</b>		<a href="#">70_10911_230303022351_Draft_Document.docx</a>
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:	It is recommended to merge the standard IS 4280 (Refined Secondary tin Ingot) with a common title Tin Ingot as per the available International Standards ASTM B 339, BSEN 610 and GB/T 728.