



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 211 : 1992
3.	Title :	Antimony ingot - Specification (Fourth 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
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 1047:1965	METHODS OF CHEMICAL ANALYSIS OF ANTIMONY	NOT REVISED SINCE	NA	NA	The year has been wrongly mentioned in IS 211 as 1966, which needs to be corrected to 1965 that is IS 1047 : 1965
2	IS 1817 :1961	Method of sampling non ferrous metals for chemical analysis	not revised since	NA	NA	No changes required
3	IS 1387 : 1967	General requirements for the supply of metallurgical materials(first revision)	IS 1387:1993	Since the publication of this standard, it has been a general practice to make reference to this standard in the material specifications where the provision of this standard would be applicable. This practice has considerably simplified the presentation of specifications for metals and metal products. It has also been possible for individual purchasers and inspecting authorities to establish such provisions as may suit their special needs and to use them instead of, or as supplement to, this standard. 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 change. Since in the earlier version of IS 1387 i.e IS 1387:1967 in which the standard made reference to metals and metal products . As IS 13351 thoriated tungsten is a metal product and it would not affect the standard by the revision of IS 1387 : 1967 in which the title was modified to cover all metallurgical products including raw materials, refractories etc.	It is proposed to refer to the newer version of IS 1387 i.e IS 1387 :1991 as the newer version has much clarity and better contents

**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	ASTM B 237-01	Standard specification for refined antimony	Clause 1 for Scope, Clause 5 for materials and manufacture, clause 6 for composition, clause 7 for sizes and shapes, clause 8 for physical appearance, clause 10 for sapling, Table 1 for chemical composition	The scope may be modified to cover refined antimony covering both the primary and secondarily produced antimony.
2	ASTM B 237-01	tandard specification for refined antimony	Clause 10 on sampling.	The sampling clause of IS 211 may be aligned with ASTM .
3	ASTM B 237-01	Standard specification for refined antimony	Table 1 for chemical composition of ASTM B 237	The impurity content of Sulphur for grade 99.5 may be aligned with ASTM from 0.15 to 0.10
4	ASTM B 237-01	Standard specification for refined antimony	Clause 5 for materials and manufacture	The manufacturing clause of IS 211 may be modified in line with ASTM by mentioning the grades of refined antimony shall be produced by any smelting and refining process from ore or recycled materials to meet the chemical reuirements of this specification.

**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:	The clause 5.2 for ordering may be incorporated as per ASTM B 237 and GB/T 1599-2014. Further the Reference clause as per latest BIS practices may be incorporate along with the new clause on BIS marking. Kindly refer to the draft for the changes proposed				
7.	Upload Supporting Document(s)					
<table border="1"> <tr> <td data-bbox="137 344 564 412"><b>7.1 ARP Report</b></td> <td data-bbox="564 344 1458 412"><a href="#">70_8651_230124105523_ARP_Report.docx</a></td> </tr> <tr> <td data-bbox="137 412 564 479"><b>7.2 Draft Document</b></td> <td data-bbox="564 412 1458 479"><a href="#">70_8651_230124105535_Draft_Document.docx</a></td> </tr> </table>			<b>7.1 ARP Report</b>	<a href="#">70_8651_230124105523_ARP_Report.docx</a>	<b>7.2 Draft Document</b>	<a href="#">70_8651_230124105535_Draft_Document.docx</a>
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<b>7.2 Draft Document</b>	<a href="#">70_8651_230124105535_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:	<div style="border: 1px solid black; padding: 5px;"> <p>Based on above review it is being proposed to revise the standard by including the changes proposed. The major technical change being done is the inclusion of both secondary and primary refined antimony in the same standard as per ASTM B 237 and GB/T 1599.</p> </div>				