

केन्द्रीय मुहर विभाग-2

संदर्भ -: केमूवी-2/16:209

05 01 2022

विषय: IS 209:1992 के amendment no. 3 के अनुपालन के दिशानिर्देश

यह उपरोक्त विषय के संदर्भ में है।

सक्षम अधिकारी द्वारा अनुमोदित दिशानिर्देश अनुपालन हेतु संलग्न हैं।

सभी क्षेत्रीय/शाखा कार्यालयों से अनुरोध है की दिशानिर्देशों का तत्काल प्रभाव से अनुपालन सुनिश्चित करें।

**आदित्यदास
वैज्ञानिकD**

प्रमुख (केमूवी 2)

सभी क्षेत्रीय/शाखा कार्यालय/प्रयोगशालाएँ/MTD/LRMD

CENTRAL MARKS DEPARTMENT-2

OurRef:CMD-2/16:209

05 01 2022

Subject: Guidelines for implementation of amendment no. 3 to IS 209:1992

This has reference to the subject mentioned above.

The Competent Authority has approved the enclosed Guidelines for implementation.

All ROs/BOs are requested to ensure the implementation of the above Guidelines with immediate effect.

**(Aditya Das)
Scientist D**

Head (CMD-2)

All ROs/BOs/Labs/MTD/LRMD

CENTRAL MARKS DEPARTMENT-2

Our Ref:CMD-2/16:209

Date: 05 01 2022

Subject: Guidelines for implementation of amendment no. 3 to IS 209:1992 (Zinc Ingot - Specification)

1. Amendment no. 3 to IS 209:2019 has been published and implemented with effect from 31 Dec 2021.
2. The significant changes in the standard through this amendment as listed in the Table are given for the purpose of general guidance. BOs shall ensure that the product conforms to all the requirements, as applicable, as per the amendment.

Clause No.	Change
6.1, Table 1	The requirements of Thallium and Indium which were earlier specified in Table 1, have now been changed to "to be as agreed between the purchaser and manufacturer. "
8.2	BIS certification marking clause has been updated

3. Since the above change to requirements of Thallium and Indium is only an allowance given to the manufacturer and does not require any change in the product or manufacturing/testing infrastructure, no evidence of compliance to the amendment from licensees/applicants is required.
4. BOs may please take note of the above and also communicate the same to licensees and applicants for their information.

Aditya Das
Sc. D

Head (CMD-2)
DDG (Certification)

AMENDMENT NO. 3 DECEMBER 2021

TO

IS 209 : 1992 ZINC INGOT — SPECIFICATION

(*Fourth Revision*)

(*Page 1, clause 3*) — Substitute ‘The standard covers three types of grades namely Zn 99.995, Zn 99.99 and Zn 99.95’ for the existing.

[*Page 1, Table 1 (see also Amendment No. 1 and Amendment No. 2)*] — Substitute the following table for the existing:

Table 1 Chemical Composition of Zinc

(*Clause 6.1*)

Constituent	Requirement of Elements in Percent		
	Grade Zn 99.995	Grade Zn 99.99	Grade Zn 99.95
(1)	(2)	(3)	(4)
Zinc, <i>Min</i>	99.995	99.99	99.95
Lead, <i>Max</i>	0.003	0.003	0.025
Cadmium, <i>Max</i>	0.003	0.003	0.02
Iron, <i>Max</i>	0.002	0.003	0.01
Tin, <i>Max</i>	0.001	0.001	0.001
Copper, <i>Max</i>	0.001	0.002	0.002
Aluminium, <i>Max</i>	0.001	—	—
Thallium, <i>Max</i>	<i>See Note 4</i>	<i>See Note 4</i>	<i>See Note 4</i>
Indium, <i>Max</i>	<i>See Note 4</i>	<i>See Note 4</i>	<i>See Note 4</i>
Total Impurities, <i>Max</i>	0.005	0.01	0.05

NOTES :

1 In the case of Grade Zn 99.99 the impurity levels should be kept to the minimum to avoid inter crystalline corrosion particularly Lead, Cadmium, Copper, Indium and Thallium.

2 Copper content shall not exceed 0.001 percent for the above grades when used for dry battery cans.

3 Other impurities do not preclude the possible presence of other unnamed elements. However, analysis shall regularly be made only for the impurities listed in the table. The major element shall be determined by difference between the sum of total elements analysed and 100 percent. By agreement between manufacturer and the purchaser, analysis may be required and limits established for elements not specified.

4 The requirements of Thallium and Indium to be as agreed between the purchaser and manufacturer.

(Page 2, clause 12.2) — Substitute the following for the existing:

‘8.2 BIS Certification Marking

The product(s) conforming to the requirements of this standard may be certified as per the conformity assessment schemes under the provisions of the *Bureau of Indian Standards Act, 2016* and the Rules and Regulations framed thereunder, and the product(s) may be marked with the Standard Mark.’