

ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

ISO RECOMMENDATION

R 752

ZINC INGOTS

1st EDITION

June 1968

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BRIEF HISTORY

The ISO Recommendation R 752, *Zinc ingots*, was drawn up by Technical Committee ISO/TC 18, *Zinc and zinc alloys*, the Secretariat of which is held by the Institut Belge de Normalisation (IBN).

Work on this question by the Technical Committee began in 1957 and led, in 1960, to the adoption of a Draft ISO Recommendation.

This first Draft ISO Recommendation (No. 436) was circulated to all the ISO Member Bodies for enquiry, in February 1961. As the results of this consultation were not considered satisfactory, the Technical Committee presented a second Draft ISO Recommendation, which was circulated to all the ISO Member Bodies in January 1965, and which was approved, subject to a few modifications of an editorial nature, by the following Member Bodies:

Argentina	Greece	Spain
Belgium	India	Sweden
Bulgaria	Israel	Switzerland
Chile	Italy	Turkey
Colombia	Japan	U.S.S.R.
Denmark	Korea, Rep. of	Yugoslavia
France	Poland	

Six Member Bodies opposed the approval of the Draft:

Australia	Norway
Canada	United Kingdom
Germany	U.S.A.

The second Draft ISO Recommendation was then submitted by correspondence to the ISO Council, which decided, in June 1968, to accept it as an ISO RECOMMENDATION.

ZINC INGOTS

1. SCOPE

The specifications for the types of zinc in this ISO Recommendation relate only to

VIRGIN or *PRIMARY ZINC*, terms which designate a metal obtained by the treatment of ores or other zinc-bearing materials by a distillation process or by electrolysis and which has never been used for other than the providing of ingots for remelting or for transformation. They have a minimum zinc content of 98 %.

2. CLASSIFICATION AND DESIGNATION

Each of these types of zinc is defined by its composition as shown in the Table in clause 3.1 and designated conventionally as given in the column headed "Designation".

3. SPECIFICATIONS

3.1 Maximum impurities

TABLE

Designation	Maximum impurities %						
	Pb	Cd	Pb+Cd	Fe	Sn	Cu	Total
Zn 99.995	0.003	0.003	0.004	0.002	0.001	0.001	0.0050
Zn 99.99 *	0.003	0.003	0.006	0.003	0.001	0.002	0.010
Zn 99.95	0.03	0.02		0.02	0.001	0.002	0.050
Zn 99.5	0.45	0.15		0.03	0.005		0.50
Zn 98.5	1.4	0.20		0.05	**		1.50
Zn 98	1.8			0.08			2.0

* If Zn 99.99 is not intended for die casting,
 — the maximum content of Pb is limited to 0.006 %,
 — the maximum content of Pb+Cd is not imposed.

** 0.005 % for the "rollable" quality.