

KES

Electrolytic Copper Ingots

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1. Scope of Application

This standard specifies the electrolytic copper ingot (hereinafter referred to as "ingot") which is used as a sub-material for die cast iron and aluminium alloy.

2. Quality

- (1) Ingots shall have uniform quality and clean surfaces any should not contain any harmful defect to use
- (2) Chemical element shall conform to KS D 2341, and be shown in Table 1.

Table 1

unit: %

Cu	As	Sb	Bi	Pb	S	Fe
99.96 or more	0.003 or less	0.005 or less	0.001 or less	0.005 or less	0.010 or less	0.01 or less

3. Test Method

The test method of the chemical element of electrolytic copper ingots is as follows:

- (1) Take 40g or more of sample according to KS D 1849 (General analyzing rules of copper ingots).
- (2) Testing Method

Chemical element analyzing method shall conform to the following specifications:

- KS D 1855 (Iron analyzing method for copper ingots)
- KS D 1886 (Lead analyzing method for copper ingots)
- KS D 1887 (Sulfur analyzing method for copper ingots)
- KS D 1888 (Antimony analyzing method for copper ingots)
- KS D 1889 (Arsenic analyzing method for copper ingots)
- KS D 1890 (Method for chemical analysis of electroly cathode copper)
- KS D 1968 (Copper analyzing method for pure copper with a purity of 99.9% or more)

4. Inspection

Inspection shall conform to the provisions of KES R-B703 (Import inspection of electrolytic copper ingots).

5. Marking

Manufacturers shall indicate manufacturer's name or its abbreviation and date of manufacture of the ingot.