

KES

Method of Copper
Analysis in Copper Alloys
and Copper Products.

KES T – M053

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1. Scope of application.

This standard shall prescribe for method of copper analysis in copper alloys and copper product.

2. General fact.

General fact of method analysis shall follow KES T-M039

(Method of analysis in copper alloys and copper product)

3. Analysis method.

Analyze copper analysis in copper alloys and copper product by electrolysis.

3.1 Outline

After putting sample to beaker for electrolysis, dissolve with nitrate, surfate and evaporate to make surfate salt then with adding profitable amount of nitrate and be watery with water to electrolyze and fix quantity with weighing extracted mass of copper.

3.2 Reagent.

(1) Mixture acid : Make with mixing nitrate, surfate, distilled water at the rate of 7 : 10 : 40

(2) Alcohol anhydrous.

3.3 Equipment

General fact of method analysis shall follow KES T-M039

3.4 Operation

(1) Take 0.5g of sample and Shift to beaker for electrolysis and add with nitrate, surfate, mixture acid 50mℓ dissolve completely as covering then cab.

Blow away nitrate oxide after dissolving and heating to 80 ~ 90 °C when reaction is finished.

Wash inner side of beaker and cab with distilled water and be watery to 150mℓ with cool water