KES

Analysis of Silicon for Plastic Materials

KES T – M238

(EST.) 1992 – 04 – 25

Contents

1. Scope of Application

2. Method Outline

3. Sample

4. Equipment and Device

5. Method

6. Calculation and Report

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1. Scope of Application

This shall regulate quantity analysis method of silicon contained in plastic material.

2. Method Outline

After solve sample with nitric acid, heat and vaporize it adding chloric acid and make silicon to be insoluble and filer it, cool it and process floured hydro acid to remove silicone and weigh silicon by subtracting it.

3. Sample

(1) Nitric acid

(2) Chloric acid (60 %)

(3) Hydrochloric acid

(4) Sulphuric acid

(5) Floured hydro acid

4. Equipment and Device

(1) Platinum pot

(2) Electric heater

5. Method

(1) After put weighed sample in material pot and weigh it, ignite it adding a little alcohol.

(2) After put ignited sample in electric heater kept to be 800 °C for 30 minutes to remove

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