KES

Analysis of Filler Content for Poly Vinyl Chloride

KES T – M037

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1. Scope of application

This standard shall be prescribed to the method for analysis of plasticizer, stabilizer and filler in polyvinyl chloride compound by infrared spectro photometric technique.

2. Summary of method

(1) In order to separate plasticizer from PVC compound, extract solvent.

(2) Dissolve the resin and separate the inorganic filler and stabilizer by centrifugal separation. By this method, separate plasticizer, resin, inorganic stabilizer and filler from compound.

3. Instrument

(1) Sample grinder.

(2) Soxhlet extractor: capacity 150 mℓ and 30 mℓ

4. Reagent

(1) Alumina : Absorption

(2) Carbon disulfide

(3) Anhydrous ether

(4) Potassium bromide : For IR

(5) Tetra chloro ethane

(6) Tetra hydro furan

5. Separation of component

(1) Preparation of beginning sample

In order to extract easily in any rnethod, enlarge the surface area.

(2) Extraction of plasticizer

Measure quantity 1 ± 0.2 g of sample exactly and put it into filter paper.

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