KES

Method of Analysis for Wax in Shellac Paints

KES T – M049

(EST.) 1988 – 06 – 22

Contents

1. Scope of Application

2. Reagent

3. Equipments

4. Operation

5. Calculation

KIA MOTORS

Full document details: KIA KES T-M049 1988

Documents
Document Sharing Hub

1. Scope of application

This standard shall specify quantitative analysis method for wax in shellac paints.

2. Reagents

(1) Sodium carbonate (Na_2CO_3)

(2) Ethyl alcohol

(3) Chloroform : Chloroform for reagent that non-volatile materials is removed by re-distillation.

3. Equipments

(1) Beaker

(2) Water bath

(3) Watch glass

(4) Buchner funnel

(5) Extractor

(6) Dry oven

(7) Filter cell : Filter cell that is extracted by chloroform

4. Operation

(1) In case of dry cellac, measure about 10 g sample exactly up to 1 mg and in case of cellac varnish, measure about 10 g non-volatile material exactly up to 1 mg and then, put it in 200 mℓ beaker.

(2) Dissolve sodium carbonate 2.5 ± 0.01 g into 150ml hot distilled water and put it in a beaker. Then, stir the beaker in vapor or in hot water bath until cellac is completely dissolved.

(3) In the state that the beaker is covered by watch plate, put the beaker in hot vapor for

Documents
Document Sharing Hub
Full document details: KIA KES T-M049 1988