

KES

Analysis of Qualitative for Poly Vinyl Resin

KES T – M043

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Contents

1. Scope of Application
2. Volatile Components
3. Methyl Alcohol Extract



1. Scope of application

This standard shall be applied to analysis method of volatile components MeOH extract that is quantitative fundamental physical properties test method of poly vinyl chloride (PVC from now on).

2. Volatile components

2.1 Summary

This method can be applied to analysis method of volatile component among PVC.

2.2 Equipment

- (1) Oven : This is possible to be kept as a 110 ± 1 °C
- (2) Sample container : This is made of glass, aluminum or stainless steel and, can contain sample 10 g.
- (3) Chemical balance : This is measurable to 0.001 g.

2.3 Operation

- (1) After maintaining sample container for 30 minutes in 110 ± 1 °C oven, cool it room temperature in a desiccator.
- (2) Measure and record weight up to 0.0001 g after spreading sample 10 g on the ground.
- (3) After maintaining sample container that contains sample for an hour in 110 ± 1 °C oven, cool it room temperature in a desiccator.
- (4) After measuring weight up to 0.0001 g and maintaining it for 15 minutes in 110 ± 1 °C oven, cool it room temperature in a desiccator.
- (5) Measure weight for less than 0.001 g and repeat the operation of heating for 30 minutes again for more than 0.0001 g.
- (6) Average measurement values of more than 2 samples at least.

2.4 Calculation

Calculate volatile components by following formula and report up to 0.01 %