

Analysis of Emulsion Paints

KES T – M155

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Additional Rules

1. Scope of Application

This standard shall be applicable to qualitative and quantitative analysis method for polymer of emulsion paint.

2. Outline

This method shall be applicable to qualitative analyzing method for all sort of resin containing emulsion paint.

3. Abbreviation of Method

- 1) Extract and Filter vehicle from dried paint. Put it in salt plat. Compare infrared spectrum with standard spectrum.
- 2) Analyze Gas-Chromatography by thermal decomposition.

4. Instrument

- 1) Infrared Spectro Photometers
- 2) Gas-Chromatography
- 3) Column: length 3m / inner diameter 6.4mm copper tube/
Silicon resin 80~100 mesh 10% and diatom.

5. Reagent

- 1) Mixed extraction solvent : Mixed the same quantity with O-Di Choro benzene,
and Di methl Formamide Tetra Furan
- 2) Liquid Nitrogen
- 3) Petroleum ether

6. Infrared Analysis

- 1) Put 1 ~ 2gr of Emulsion paint in borosilicate beaker (100ml) and pour 2ml of water for agitation.