### CONTENTS

#### Page

## Part One

### Analysis of Oil-Based Coating Materials

Ι	Separation of Pigments and Vehicles	9
Π	Vehicle Analysis Based on Saponification and Separation of Components	17
III	Analysis of clear Oil Varnishes	25
IV	Analysis of Clear Alkyd Resin-Based Coating Materials	105
V	Analysis of Styrene-Modified Oils and Alkyd Resins in Coating Materials	181
VI	Identification of Pigments in ready-to-Use Coating materials	189
VII	Identification of Organic Pigments in Coating materials	213
VIII	Determination of Inorganic Constituents in Driers, Varnishes, and Paint Vehicles	225
IX	Analysis of Solvents and Thinners in Ready-to-use Coating materials	231
Х	Chemical Analysis of Latex paints	267
	Part Two	
	Analysis of Lacquers	
XI	Analysis of Clear Lacquers	321

Δ	Analysis of Clear Lacquers	321
XII	Identification and Determination of Sulfonamide Resins in Lacquers	401

#### Part Three

# Selected Chapters on the analysis of Coating Materials

XIII	Infrared Spectrophotometry in the Analysis of Coating materials	407
XIV	Steam Distillation as a Tool for the Analysis of Coating Materials	445
XV	Complex Compounds as Possible Tools for the Analysis of Coating Materials	453
XVI	Identification of Fatty Acids for the Analysis of Coating Materials	527
XVII	Identification and Determination of Halogen Compounds in coating materials	557
XVIII	Identification and Estimation of Silicone Resins in Coating Materials	565
XIX	Analysis of Polyester Resins	567
XX	Chemical Analysis of Isocyanate Coating Materials	577
XXI	Determination of the Purity of compounds	587
Append	ix Equipment of a Laboratory for the Analysis of Coating Materials	605
Author Index		607
Subject Index		621