

## CONTENTS

Chapter 1 Introduction to Silicones	3
Chapter 2 The Analytical Chemistry of Organo Silicon Materials	23
Chapter 3 Analysis of Polymers, Mixtures, and Compositions	47
Chapter 4 Trace Analysis Involving Silicones	71
Chapter 5 Analysis of Surfaces	97
Chapter 6 Personal Care Applications	117
Chapter 7 Physical Properties and Polymer Structure	135
Chapter 8 Chemical Analysis	175
Chapter 9 Microscopical Characterization	219
Chapter 10 Chromatographic Methods	255
Chapter 11 Infrared, Raman, Near-Infrared, and Ultraviolet Spectroscopy	305
Chapter 12 Nuclear magnetic Resonance Spectroscopy	347
Chapter 13 Mass spectrometry	421
Chapter 14 Atomic Spectroscopy	471
Chapter 15 X-Ray Methods	485
Appendix. Physical Properties of Organosilicon Compounds	523
References	537
Index	543