

CONTENTS

Foreword and Acknowledgments	iii
Chapter 1 – Background	1
A Systems Approach	2
Chapter 2 – The Role of Sensory Evaluation in Product Life Cycle	4
Product Life Cycle	4
Concept Development and Planning	4
Feasibility Study	4
Product Development	5
Reduction to Commercial Practice	5
Growth Phase	6
Maturity	6
Decline/Abandonment Phase	7
Chapter 3 – General Evaluation Factors	8
Study Objectives	8
Target Population	9
Start and Completion Dates	9
Representativeness of Samples	9
Number of Test Samples	9
Number of Responses per Sample	10
Sample Coding Procedures	10
Questionnaire	11
Serving Instructions and Pretesting	11
Data Analysis and Processing	12
Reporting Schedule	12
General Observations	12
Chapter 4 – Sampling	13
Concept	13
Factors and the Sampling Plan	14
Sampling Size (Practical versus Statistical Significance)	15
Approaches to Sampling Method	15
Sampling Method versus Test Procedure	16

Chapter 5 – Test Procedures	20
Home Use Testing	20
Central Location Testing	22
Mail Panels	25
Telephone Interview	27
Focus Groups	28
Market Testing	30
Chapter 6 – Obtaining the Data	32
Factors Affecting Data Collection	32
Specific Characteristics of Data Collection via Questioning	33
Questionnaires and Their Design	35
Types of Questions	36
Question Wording	39
Question Sequence	39
Chapter 7 – Data Analysis	40
Chapter 8 – Reporting Results of Research	41
Chapter 9 – Practical Aspects or Pitfalls of Consumer Sensory Evaluation	43
Organizational Elements	43
Field Services/Supervisors	47
Choosing and Agency	50
Bibliography	52