

TABLE OF CONTENTS

|  | <u>Page</u> |
|--|-------------|
| INTRODUCTION .....                                 | vii         |
| LIST OF PARTICIPANTS .....                         | viii        |
| MONOGRAPHS   |             |
| Blackcurrant extract .....                         | 3           |
| Brown FK .....                                     | 7           |
| Butylated hydroxyanisole .....                     | 15          |
| Butylated hydroxytoluene .....                     | 19          |
| Calcium disodium ethylenediaminetetraacetate ..... | 23          |
| Carob bean gum .....                               | 25          |
| <u>d</u> -Carvone .....                            | 29          |
| <u>l</u> -Carvone .....                            | 31          |
| Citric and fatty acid esters of glycerol .....     | 33          |
| Curcumin .....                                     | 37          |
| Dodecyl gallate .....                              | 41          |
| Erythrosine .....                                  | 45          |
| Fast Green FCF .....                               | 51          |
| Glucono-6-lactone .....                            | 55          |
| Heptanes .....                                     | 59          |
| Lecithin .....                                     | 65          |
| Lecithin, partially hydrolyzed .....               | 69          |
| Lithol Rubine BK .....                             | 73          |
| Mannitol .....                                     | 77          |
| Mineral oil. food grade .....                      | 81 ✓        |
| Octyl gallate .....                                | 85          |
| Paraffin wax .....                                 | 89 ✓        |
| Petroleum jelly .....                              | 93          |
| <del>Polyvinylpyrrolidone</del> .....              | 97          |
| Processed <u>Euchemma</u> seaweed .....            | 101         |
| Propyl gallate .....                               | 105         |
| Sodium dihydrogen citrate .....                    | 109         |
| Sodium fumarate .....                              | 111         |
| DL-Sodium malate .....                             | 115         |
| Sulfur dioxide .....                               | 119         |
| Talc .....   | 123         |
| Tara gum .....                                     | 125         |
| Tertiary butylhydroquinone .....                   | 127         |
| Tocopherol. <u>dl</u> -Alpha .....                 | 133         |
| Tocopherol. <u>d</u> -Alpha concentrate .....      | 137         |
| Tocopherol concentrate. mixed .....                | 141         |
| Turmeric colour .....                              | 145         |
| Xanthan gum .....                                  | 149         |

ANNEXES

|   |       |
|---|-------|
| Identification and Rapid Limit Test for Detection<br>of Subsidiary Colouring Hatters by T.L.C. .... | A. 3  |
| Identification of Gum Constituents .....  | A. 5  |
| Limit test for Solvent Residues .....   | A.7   |
| Method of Assay of Food Colours .....   | A.9   |
| Nickel in Polyols .....   | A. 11 |

CONTENT BY MAJOR FUNCTIONAL USES

|   | <u>Page</u> |
|---|-------------|
| I. <u>Antioxidants</u>                        |             |
| Butylated hydroxyanisole .....                | 15          |
| Butylated hydroxytoluene .....                | 19          |
| Dodecyl gallate .....                         | 41          |
| Octyl gallate .....                           | 85          |
| Propyl gallate .....                          | 105         |
| Tertiary butylhydroquinone .....              | 127         |
| Tocopherol, <u>dl</u> -Alpha .....            | 133         |
| Tocopherol, <u>d</u> -Alpha concentrate ..... | 137         |
| Tocopherol concentrate, mixed .....           | 141         |
| 11. <u>Flavouring Agents</u>                  |             |
| <u>d</u> -Carvone .....                       | 29          |
| <u>l</u> -Carvone .....                       | 31          |
| III. <u>Food Acids and Salts</u>              |             |
| Glucono- $\delta$ -lactone .....              | 55          |
| Sodium dihydrogen citrate .....               | 109         |
| Sodium fumarate .....                         | 111         |
| DL-Sodium malate .....                        | 115         |

IV. Food Colours

|                            |     |
|----------------------------|-----|
| Blackcurrant extract ..... | 3   |
| Brown FK .....             | 7   |
| Curcumin .....             | 37  |
| Erythrosine .....          | 45  |
| Fast green FCF .....       | 51  |
| Lithol Rubine BK .....     | 73  |
| Turmeric colour .....      | 145 |

V. Sweetening Agent

|                |    |
|----------------|----|
| Mannitol ..... | 77 |
|----------------|----|

VI. Thickening Agents

|   |     |
|---|-----|
| Carob bean gum .....                    | 25  |
| Processed <u>Eucheuma</u> seaweed ..... | 101 |
| Tara gum .....                          | 125 |
| Xanthan gum .....                       | 149 |

VII. Miscellaneous

|  |     |
|--|-----|
| Calcium disodium ethylenediaminetetraacetate ..... | 23  |
| Citric and fatty acid esters of glycerol .....     | 33  |
| Heptanes .....                                     | 59  |
| Lecithin .....                                     | 65  |
| Lecithin. partially hydrolyzed .....               | 69  |
| Mineral oil. food grade .....                      | 81  |
| Paraffin wax .....                                 | 89  |
| Petroleum jelly .....                              | 93  |
| Polyvinylpyrrolidone .....                         | 97  |
| Sulfur dioxide .....                               | 119 |
| Talc .....   | 123 |