

Of the twenty-one samples examined, one was doubtful, the remaining twenty genuine. All were found to be coloured but two, thirteen with certified dyes and six with others. Seven contained no other preservative than sucrose, six sodium benzoate, seven salicylic acid and one formaldehyde.

Six samples (Nos. 77513, 77533, 77867, 77964, 75928 and 75871) were labeled and sold as "Maraschino cherries." Steps should be taken to require manufacturers of this class of goods to label their product in a less deceiving manner, since these were not maraschino cherries. The following extract from Food Inspection Decisions, United States Department of Agriculture, F.I.D. 139 (Chem. Abst. 6, (1912), 1473) first defines the term, then places regulations on the labeling of products similar to the above: "Maraschino is a liqueur or cordial prepared by fermentation and distillation from a small wild Dalmatian cherry. Imitations of maraschino should be labelled "imitation." Cherries of other varieties preserved in maraschino liqueur may be called "cherries in maraschino," or if preserved in a syrup flavoured with maraschino alone, may be called "cherries, maraschino flavour" or "maraschino flavoured cherries." Sample No. 75869, put out by the Liquid Carbonic Company of Chicago, conforms to the above: it is labeled "cherries, imitation maraschino flavour."

#### LEMON (18 samples.)

| Sample No. | Analysed at. | Dye.           | Preservative |       | Sucrose p. c. | Analyst's Description. |
|------------|--------------|----------------|--------------|-------|---------------|------------------------|
|            |              |                | Substance.   | p. c. |               |                        |
| 76601      | Halifax      | Tartrazine 94  | None         |       |               | Doubtful syrup.        |
| 78042      | "            | "              | "            |       |               | Synthetic syrup.       |
| 78048      | "            | None           | "            |       |               | Genuine syrup.         |
| 71215      | "            | Tartrazine 94  | "            |       |               | Synthetic syrup.       |
| 71217      | "            | Orange 1 85    | Salic. acid  | Trace |               | " "                    |
| 71221      | "            | Tartrazine 94  | None         |       |               | " "                    |
| 71223      | "            | Artificial     | "            |       |               | " "                    |
| 5652       | Ottawa       | Naph. Yel. S 4 | Salic. acid  | 0.023 | 54.54         | Genuine syrup.         |
| 7486       | "            | None           | "            | 0.031 | 39.49         | " "                    |
| 63265      | "            | "              | None         |       | 63.92         | " "                    |
| 72596      | "            | Auramine 425   | Formalin     | 0.022 | 32.62         | " "                    |
| 72600      | "            | "              | None         |       | 57.36         | Synthetic syrup.       |
| 77851      | "            | Tartrazine 94  | Salic. acid* | 0.034 | 2.09          | Genuine syrup.         |
| 74081      | "            | Quin. Yel. 667 | None         |       | 44.18         | " "                    |
| 52903      | Winnipeg     | None           | "            |       | 46.18         | Doubtful syrup.        |
| 68419      | Vancouver    | Naph. Yel. S 4 | "            |       | 57.42         | " "                    |
| 68442      | "            | "              | Benz. acid   | 0.063 | 55.76         | Synthetic syrup.       |
| 75869      | "            | "              | None         |       | 47.07         | " "                    |

\* Benzoate declared.

Genuine flavours, 7; synthetic, 8; doubtful, 3. The dyes show a better proportion, only four samples being coloured with uncertified dyes. Twelve samples were found to be preserved with sucrose alone, four with salicylic acid and one each with sodium benzoate and formaldehyde. The explanation for the large percentage of synthetic preparations of this flavour is probably found in the fact that of all flavours, lemon and orange are the easiest and probably the most commonly reproduced. It is well known that the so-called "circus lemonade" is nothing but a water solution of citric or tartaric acid, sweetened and coloured.