

## RETURN OF ANALYSES for the Year ended 31st March, 1908. (Analytical Laboratory, Sydney Street, Wellington.)

[NOTE.—Cl = chlorine; N = nitrogen; NH<sub>3</sub> = ammonia; O = oxygen.]

| Number.  | Department or Person from whom Sample is received. | Nature of Sample.    | Date Received. | Adulteration suspected, or for what analysed. | Result.                                                                                                                                                                                   |
|----------|----------------------------------------------------|----------------------|----------------|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|          |                                                    |                      | 1907.          |                                               |                                                                                                                                                                                           |
| 1125     | Chief Health Officer                               | Urine .. ..          | April 5        | Albumen and sugar                             | None found.                                                                                                                                                                               |
| 1152     | Dr. Ogston ..                                      | Septic-tank effluent | .. 15          | General analysis                              | Effluent not satisfactory.                                                                                                                                                                |
| 1203     | Chief Health Officer                               | Tea .. ..            | May 8          | To determine purity                           | Nothing deleterious found.                                                                                                                                                                |
| 1204     | Dr. Makgill ..                                     | Biscuits ..          | .. 8           | Arsenic and anti-mony                         | None found.                                                                                                                                                                               |
| 1245 (1) | Inspector of Police                                | Whisky ..            | .. 31          | General analysis                              | Alcohol by weight, 36.74 per cent.; proof-spirit, 76.70 per cent.; extract, 0.1745 per cent.; volatile acid, 24 grains per 100 liters; ethers, 46 grains per 100 liters.                  |
| 1245 (2) | "                                                  | " ..                 | .. 31          | "                                             | Alcohol by weight, 36.71 per cent.; proof spirit, 76.66 per cent.; extract, 0.2345 per cent.; volatile acid, 57 grains per 100 liters; ethers, 53 grains per 100 liters.                  |
| 1245 (3) | "                                                  | " ..                 | .. 31          | "                                             | Alcohol by weight, 41.54 per cent.; proof-spirit, 85.89 per cent.; extract, 0.1095 per cent.; volatile acid, 84 grains per 100 liters; ethers, 59 grains per 100 liters.                  |
| 1245 (4) | "                                                  | " ..                 | .. 31          | "                                             | Alcohol by weight, 39.54 per cent.; proof-spirit, 82.10 per cent.; extract, 0.068 per cent.; volatile acid, 20 grains per 100 liters; ethers, 40 grains per 100 liters.                   |
| 1245 (5) | "                                                  | " ..                 | .. 31          | "                                             | Alcohol by weight, 39.38 per cent.; proof-spirit, 81.87 per cent.; extract, 0.2435 per cent.; volatile acid, 45 grains per 100 liters; ethers, 62 grains per 100 liters.                  |
| 1245 (6) | "                                                  | " ..                 | .. 31          | "                                             | Alcohol by weight, 36.88 per cent.; proof-spirit, 76.94 per cent.; extract, 0.235 per cent.; volatile acid, 35 grains per 100 liters; ethers, 58 grains per 100 liters.                   |
| 1245 (7) | "                                                  | " ..                 | .. 31          | "                                             | Alcohol by weight, 35.88 per cent.; proof-spirit, 75.02 per cent.; extract, 0.245 per cent.; volatile acid, 45 grains per 100 liters; ethers, 59 grains per 100 liters.                   |
| 1256     | Inspector Watson ..                                | Milk .. ..           | June 10        | "                                             | Total solids, 12.3; fat, 4.7; solids not fat, 7.6; ash, 0.7.                                                                                                                              |
| 1259 (1) | Inspector of Police                                | Beer .. ..           | .. 12          | "                                             | Alcohol, 5.90 per cent.; extract, 3.62 per cent.; ash, 0.22 per cent.; acetic acid, 0.07 per cent.; lactic and succinic acids, 0.11 per cent.                                             |
| 1259 (2) | "                                                  | Wine .. ..           | .. 12          | "                                             | Alcohol, 15.12 per cent.; extract, 11.16 per cent.; ash, 0.22 per cent.; acetic acid, 0.17 per cent.; tartaric acid, 0.24 per cent.                                                       |
| 1259 (3) | "                                                  | Brandy ..            | .. 12          | "                                             | Alcohol, 32.56 per cent.; proof-spirit, 68.58 per cent.                                                                                                                                   |
| 1259 (4) | "                                                  | Whisky ..            | .. 12          | "                                             | Alcohol, 33.70 per cent.; proof-spirit, 70.80 per cent.                                                                                                                                   |
| 1265 (1) | Chief Health Officer                               | Septic-tank effluent | .. 17          | "                                             | Cl in chlorides, 4.61; N in nitrates, trace; NH <sub>3</sub> , free and saline, 3.38; NH <sub>3</sub> , albuminoid, 0.70; O absorbed in four hours, 63; suspended matter, 30; solids, 62. |
| 1265 (2) | "                                                  | " ..                 | .. 17          | "                                             | Cl in chlorides, 4.61; N in nitrates, trace. NH <sub>3</sub> , free and saline, 3.50; NH <sub>3</sub> , albuminoid, 80; O absorbed in four hours, 56; suspended matter, 58; solids, 30.   |
| 1271     | Inspector Johnson ..                               | Water .. ..          | .. 20          | "                                             | Water of good quality.                                                                                                                                                                    |
| 1272 (1) | Chief Health Officer                               | Milk .. ..           | .. 20          | "                                             | Total solids, 13.12; fat, 4.4; solids not fat, 8.72.                                                                                                                                      |
| 1272 (2) | "                                                  | " ..                 | .. 20          | "                                             | Total solids, 12.08; fat, 3.5; solids not fat, 8.58.                                                                                                                                      |
| 1272 (3) | "                                                  | " ..                 | .. 20          | "                                             | Total solids, 13.28; fat, 4.2; solids not fat, 9.08.                                                                                                                                      |
| 1272 (4) | "                                                  | " ..                 | .. 20          | "                                             | Total solids, 13.04; fat, 4.1; solids not fat, 8.94.                                                                                                                                      |
| 1272 (5) | "                                                  | " ..                 | .. 20          | "                                             | Total solids, 10.69; fat, 3.6; solids not fat, 7.09.                                                                                                                                      |
| 1272 (6) | "                                                  | " ..                 | .. 20          | "                                             | Total solids, 13; fat, 4.4; solids not fat, 8.60.                                                                                                                                         |
| 1278     | Inspector Gardiner                                 | Water .. ..          | .. 26          | "                                             | Water of good quality.                                                                                                                                                                    |
| 1286     | "                                                  | " ..                 | July 3         | "                                             | Water of very fair quality for domestic use.                                                                                                                                              |
| 1287     | Inspector of Police                                | Wine .. ..           | .. 3           | Alcohol ..                                    | Contains 5.01 per cent. of proof-spirit.                                                                                                                                                  |
| 1289     | District Health Officer                            | Milk .. ..           | .. 4           | Dried milk ..                                 | None found.                                                                                                                                                                               |
| 1295     | Dr. Shand ..                                       | " ..                 | .. 9           | Formalin and boric acid                       | "                                                                                                                                                                                         |
| 1302 (1) | Inspector Bennett ..                               | Vinegar (pickle) ..  | .. 16          | Composition ..                                | Contains 5.9 per cent. solids, 2.5 per cent. sodium-chloride.                                                                                                                             |
| 1302 (2) | "                                                  | Acetic acid ..       | .. 16          | Acidity ..                                    | 56.8 per cent. of acetic acid.                                                                                                                                                            |
| 1307     | District Health Officer                            | Milk .. ..           | .. 19          | General Analysis                              | Above standard.                                                                                                                                                                           |
| 1311     | Inspector of Police                                | Wine .. ..           | .. 22          | Alcohol ..                                    | Contains 10.07 per cent. of absolute alcohol.                                                                                                                                             |
| 1317     | "                                                  | Ginger-wine ..       | .. 25          | " ..                                          | Contains 0.96 per cent. of absolute alcohol.                                                                                                                                              |
| 1318 (1) | District Health Officer                            | Septic-tank effluent | .. 25          | General analysis                              | Cl in chlorides, 5.15; N in nitrates, nil; NH <sub>3</sub> , free and saline, 2.473; NH <sub>3</sub> , albuminoid, 0.874; O absorbed in four hours, 4.90; total solids, 100.              |