

## REPORTS OF PUBLIC ANALYSTS.

## AUCKLAND.

SIR,—

Auckland, 31st May, 1906.

I have the honour to submit herewith reports of analyses made in my laboratory under the Food Adulteration Prevention Acts during the year ending the 31st March, 1906.

The number of samples examined were sixty-three, the particulars being given on the sheets printed for this purpose and forwarded by this mail.

Twenty-five samples of milk were examined, one only coming below the standard, which under our present law would insure a conviction, and which was recorded in this instance.

Of twenty samples of hop-beer twelve convictions were sustained under the licensing laws, with various fines.

I have, &amp;c.,

J. A. POND, P.C.S.,

Colonial Analyst.

The Chief Health Officer, Wellington.

*Return of Analyses at the Analytical Laboratory, Auckland, for the Year ended the 31st March, 1906.*

| Department or Person from whom Sample received. | Date received. | Nature of Sample.       | Adulteration suspected, or for what analysed. | Result of Analysis.                                                                                                              |
|-------------------------------------------------|----------------|-------------------------|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
|                                                 | 1905.          |                         |                                               |                                                                                                                                  |
| Police ..                                       | May 8 ..       | Cream of tartar ..      | Poisons ..                                    | Detected wheat-starch; nothing deleterious.                                                                                      |
| " ..                                            | June 10 ..     | Medicine ..             | " ..                                          | Detected bromide of potassium; no alkaloids.                                                                                     |
| District Health Office ..                       | " 16 ..        | Butter ..               | Powdered glass ..                             | Detected a few siliceous particles; glass absent.                                                                                |
| Ditto ..                                        | " 16 ..        | " ..                    | " ..                                          | Ditto.                                                                                                                           |
| Police ..                                       | " 12 ..        | Bread (three pieces) .. | " ..                                          | " ..                                                                                                                             |
|                                                 |                | Vinegar ..              | Sulphuric acid ..                             | Present—acetic acid, 27.68 per cent., free; SO <sub>2</sub> , 0.16 per cent., and HCl, 0.02 per cent., both combined with bases. |
| District Health Office ..                       | Aug. 16 ..     | Bread ..                | Quality ..                                    | Reported irregular kneading; flour from sprouted grain; nothing deleterious.                                                     |
| Ditto ..                                        | " 16 ..        | " ..                    | " ..                                          | Ditto.                                                                                                                           |
| H.M. Customs ..                                 | " 23 ..        | Hop-beer ..             | Alcohol ..                                    | Reported proof spirit, 2.14 per cent. by volume.                                                                                 |
| " ..                                            | " 23 ..        | " ..                    | " ..                                          | Reported proof spirit, 2.73 per cent. by volume.                                                                                 |
| Auckland Boro' Council ..                       | " 24 ..        | Milk ..                 | Water ..                                      | Reported above standard; rich milk.                                                                                              |
| Ditto ..                                        | " 24 ..        | " ..                    | " ..                                          | " ..                                                                                                                             |
| " ..                                            | " 24 ..        | " ..                    | " ..                                          | " ..                                                                                                                             |
| Police ..                                       | Sept. 1 ..     | Hop-beer ..             | Alcohol ..                                    | Reported proof spirit, 2.48 per cent. by volume.                                                                                 |
| " ..                                            | " 1 ..         | " ..                    | " ..                                          | Reported proof spirit, 2.75 per cent. by volume.                                                                                 |
| " ..                                            | " 1 ..         | " ..                    | " ..                                          | Reported proof spirit, 3.44 per cent. by volume.                                                                                 |
| " ..                                            | " 1 ..         | " ..                    | " ..                                          | Reported proof spirit, 5.34 per cent. by volume.                                                                                 |
| " ..                                            | " 7 ..         | Sarsaparilla ..         | Deleterious matter ..                         | All aqueous decoctions of vegetable matter flavoured with essential oil of sassafras; harmless, valueless beverages.             |
| " ..                                            | " 7 ..         | " ..                    | " ..                                          | " ..                                                                                                                             |
| " ..                                            | " 7 ..         | " ..                    | " ..                                          | " ..                                                                                                                             |
| " ..                                            | Oct. 25 ..     | Fluid-broth ..          | Copper-salts ..                               | Reported no trace of copper or other poisons.                                                                                    |
| District Health Officer ..                      | Nov. 2 ..      | Bread ..                | Diabetic food ..                              | Reported containing large quantity of starch.                                                                                    |
| Ditto ..                                        | " 2 ..         | Flour ..                | " ..                                          | Reported baked flour, dextrinised.                                                                                               |
| Costley Home ..                                 | Dec. 11 ..     | Milk ..                 | Water ..                                      | Reported rich milk, considerably above standard.                                                                                 |
|                                                 | 1906.          |                         |                                               |                                                                                                                                  |
| Police ..                                       | Feb. 5 ..      | Medicine ..             | Emmenagogue ..                                | Reported solution of sulphate of iron.                                                                                           |
| " ..                                            | " 5 ..         | " ..                    | " ..                                          | Reported tincture of extract of ergot.                                                                                           |
| " ..                                            | " 5 ..         | Medicine—pills ..       | " ..                                          | Reported sulphate of iron and aloes.                                                                                             |
| " ..                                            | " 8 ..         | Hop-beer ..             | Alcohol ..                                    | Reported proof spirit, 9.45 per cent. by volume.                                                                                 |
| " ..                                            | " 8 ..         | " ..                    | " ..                                          | Reported proof spirit, 9.04 per cent. by volume.                                                                                 |
| " ..                                            | " 8 ..         | " ..                    | " ..                                          | Reported proof spirit, 6.58 per cent. by volume.                                                                                 |
| " ..                                            | " 8 ..         | " ..                    | " ..                                          | Reported proof spirit, 5.86 per cent. by volume.                                                                                 |
| " ..                                            | " 8 ..         | " ..                    | " ..                                          | Reported proof spirit, 3.16 per cent. by volume.                                                                                 |
| " ..                                            | " 8 ..         | " ..                    | " ..                                          | Reported proof spirit, 7.87 per cent. by volume.                                                                                 |
| " ..                                            | " 8 ..         | " ..                    | " ..                                          | Reported proof spirit, 3.44 per cent. by volume.                                                                                 |
| " ..                                            | " 8 ..         | " ..                    | " ..                                          | Reported proof spirit, 4.64 per cent. by volume.                                                                                 |