

Return of Analyses at the Analytical Laboratory, Christchurch—continued.

Department or Person from whom Sample received.	Date received.	Nature of Sample.	Adulteration suspected, or for what analysed.	Result of Analysis.
Inspector of Weights and Measures, Oamaru	1906. Feb. 18 ..	Whisky	Purity	Alcohol, 40·05 per cent., equals 16·93 per cent. under proof; extract, 0·21 per cent.; acid, 0·03 per cent.; fusel-oil, trace; methyl alcohol, nil.
Ditto	" 18 ..	"	"	Alcohol, 36 per cent., equals 24·74 per cent. under proof; extract, 0·16 per cent.; acid, 0·06 per cent.; fusel-oil, trace; methyl alcohol, nil.
"	" 18 ..	"	"	Alcohol, 40·3 per cent., equals 16·46 per cent. under proof; extract, 0·22 per cent.; acid, 0·03 per cent.; fusel-oil, trace; methyl alcohol, nil.
"	" 18 ..	Ale, draught, Simpson and Co.	"	Original gravity, 1·0450; specific gravity, 1·0043. Alcohol, 4·27 per cent.; extract, 3·1 per cent.; ash, 0·19 per cent.; acid (lactic), 0·167 per cent.; sulphates, 0·13 per cent.; sulphites, trace; other preservatives, nil; bitters, (from) hops; poisonous metals, nil. A very weak sample.
"	" 18 ..	Ale, draught, McGavin and Co.	"	Original gravity, 1·0530; specific gravity, 1·0027. Alcohol, 5·26 per cent.; extract, 3·1 per cent.; ash, 0·16 per cent.; sulphates, 0·05 per cent.; acid (lactic), 0·123 per cent.; sulphites, trace; other preservatives, nil; bitters, (from) hops; poisonous metals, nil.
"	" 18 ..	Ale, draught, Speight and Co.	"	Original gravity, 1·0574; specific gravity, 1·0046. Alcohol, 5·45 per cent.; extract, 3·71 per cent.; ash, 0·18 per cent.; sulphates, 0·04 per cent.; acid (lactic), 0·106 per cent.; sulphites, trace; other preservatives, nil; bitters, (from) hops; poisonous metals, nil.
"	" 18 ..	Ale, bottled, R. Shand	"	Original gravity, 1·0555; specific gravity, 1·0031. Alcohol, 5·51 per cent.; extract, 3·31 per cent.; ash, 0·3 per cent.; sulphates, 0·11 per cent.; acid (lactic), 3·36 per cent.; sulphites, trace; other preservatives, nil; bitters, (from) hops; poisonous metals, nil.
Health	Mar. 1 ..	Water from the Lyttelton water-supply	Chlorides	Chlorine, 0·56 gr. per gallon, equal to 0·92 gr. sodium-chloride.
"	" 1 ..	Ditto	"	Chlorine, 0·56 gr. per gallon, equal to 0·92 gr. sodium-chloride.
"	" 1 ..	"	"	Chloride, 0·05 gr. per gallon, equal to 1·74 gr. sodium-chloride.
"	" 1 ..	"	"	Chloride, 6·65 gr. per gallon, equal to 10·95 gr. sodium-chloride.
"	" 1 ..	"	"	Chloride, 1·05 gr. per gallon, equal to 1·74 gr. sodium-chloride.
"	" 1 ..	"	Purity	Organic and volatile matter, 1·96 gr.; sodium-chloride, 1·04 gr.; sodium-bicarbonate, 0·92 gr.; iron, 0·02 gr.; carbonate of lime, 2·62 gr.; nitric anhd., 0·04 gr.; sulphates, trace; free ammonia, 0·074 parts per million; albuminoid ammonia, 0·018 parts per million. Not first-class, as, in addition to rather much ammonia, it contains about 8 gr. per gallon of mineral matter, and becomes alkaline on boiling. A sediment coming up from the well is composed of oxide and salts of iron and vegetable organic matter. The vegetable matter is a species of fungus known as the iron-bacteria.