

CANTERBURY.

SIR,—

6 Brittan Street, Linwood, Christchurch, 21st April, 1906.

I have the honour to send you under separate cover the returns of analyses made during the year ending the 31st March, 1906.

I have, &c.,

A. A. BICKERTON, Colonial Analyst.

Dr. Mason, Chief Health Officer, Wellington.

Return of Analyses at the Analytical Laboratory, Christchurch, 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.
Police	1906. April 15	Combustible	To identify	Reported it to be gelignite, discoloured with dirt.
Customs	13	Acetic acid	Tariff	57 per cent. acetic acid.
Police	19	Explosive	To identify	Found to be gelignite.
"	19	"	"	"
"	19	"	"	"
"	19	Detonators	"	Found to be charged with mercuric fulminate.
"	24	Explosives	"	Dynamite.
"	24	"	"	Dynamite and paraffin.
"	28	Exhibit, Rex v. Allandale and others	To identify stain	Found to be blood-stain.
"	29	Liquid in bottle	For poison	Contained $\frac{1}{32}$ grain of extract.
"	29	"	"	Very dilute tincture of aconitum N.
"	29	"	"	belladonna.
"	29	"	"	China.
"	29	"	"	mercurious cor.
"	29	"	"	cina.
Health	29	Water, 72 Manchester Street	Purity	Volatile matter, 8.92 gr. per gallon; insoluble matter, 2.99 gr. per gallon; sodium-chloride, 0.93 gr. per gallon; traces of lime, sulphates, and nitrates; magnesia, nitrates, phosphates, nil; free ammonia, 0.04 parts per million; albuminoid ammonia, 0.036 parts per million. The water is not bad, although not so good as most of the artesian-well water of Christchurch.
"	May 18	Water from Waitaki River, Oamaru	"	Volatile matter, 1.96 gr. per gallon; sodium-chloride, 0.7 gr. per gallon; sodium-carbonate, 26.32 gr. per gallon; silica, &c., 0.4 gr. per gallon; lime, 0.83 gr. per gallon; traces of iron, magnesia, sulphates; free ammonia, trace; albuminoid ammonia, 0.016 parts per million. A good water.
"	18	Water from Pareora River, Timaru	"	Volatile matter, 1.12 gr. per gallon; sodium-chloride, 0.91 gr. per gallon; silica, &c., 0.4 gr. per gallon; lime, 0.83 gr. per gallon; traces of iron, magnesia, sulphates; free ammonia, trace; albuminoid ammonia, 0.016 parts per million. A good water.
"	18	Water, Thompson's factory — filtered town water	"	Volatile matter, 1.4 gr. per gallon; sodium-chloride, 1.04 gr. per gallon; silica, &c., 0.64 gr. per gallon; traces of lime, iron, and sulphate; free ammonia, trace; albuminoid ammonia, 0.004 parts per million. Good water.
"	18	Water from well at Sheffield	"	Volatile matter, 1.64 gr. per gallon; sodium-chloride, 1.65 gr. per gallon; sodium-carbonate, 0.4 gr. per gallon; silicates, &c., 0.65 gr. per gallon; traces of lime, nitrates, and sulphates; free ammonia, trace; albuminoid ammonia, 0.004 parts per million. A good water.
Customs	21	Acetic acid	Tariff	57.8 per cent. acetic acid.
Police	15	Jam from Sergeant Johnson	Adulteration	Free from any injurious ingredients or preservatives, and made from genuine black currants. The abnormal appearance of the jam was due to the sugars crystallizing out.