

RETURN OF ANALYSES. (Analytical Laboratory, Christchurch.)—continued.

Department or Person from whom Sample received.	Nature of Sample.	Date received.	Adulteration suspected, or for what analysed.	Result.
		1907.		
Police .. Health ..	Drugged chocolates .. Water at Culverden ..	June 11 .. " 10 ..	Eebolics .. Purity ..	Doctored with an herbal extract of the nature of rue. Volatile matter, 1·4 gr.; sodium-chloride, 1·05; sodium-sulphate, 0·09; calcium-carb., 0·84; silicates, 0·26; iron trace; free ammonia, 0·02; album. ammonia, 0·01 (parts per million).
" ..	Water from spring, Wai-kari Hotel	" 10 ..	" ..	Volatile matter, 8·12; sodium-chloride, 6·32; sodium-sulphate, 1·73; calcium-carb., 17·06; calcium-sulphate, trace; magnesium-carb., 2·6; silicates, 0·64; iron, trace; free ammonia, trace; album. ammonia, trace.
" ..	Water from well, Amberley School	" 10 ..	" ..	Volatile matter, 3·35; sodium-chloride, 6·2; sodium-sulphate, trace; calcium-carb., 3·35; calcium-sulphate, trace; silicates, 1·15; iron, trace; nitrates, trace; free ammonia, 0·02; album. ammonia, trace.
Police ..	Pills	"	For drugs ..	Chiefly aloe and sulphate of iron, and a little of a substance that responded to tests for ergotin.
Health ..	Sewage, Victoria Home, effluent from septic tank	" 14 ..	For impurities	Total solids, 28; sodium-chloride, 9·57; free ammonia, 2·5; album. ammonia, trace; nitrates, trace. Free from smell.
" ..	Sewage, Victoria Home, effluent from filter	" 14 ..	" ..	Total solids, 28; sodium-chloride, 9·57; free ammonia, 2·5; album. ammonia, trace; nitrates, trace. Free from smell.
" ..	Sewage, Oamaru Hospital, septic tank	" 14 ..	" ..	Total solids, 120; sodium-chloride, 14·5; free ammonia, 5·6; album. ammonia, 0·96; oxygen absorbed, 15·7. Had a bad smell.
" ..	Sewage, Oamaru Hospital, from filter	" 14 ..	" ..	Total solids, 84; sodium-chloride, 14·5; free ammonia, 5·4; album. ammonia, 0·3; oxygen absorbed, 9·8. Bad smell.
" ..	Water, Christchurch ..	" 21 ..	Purity ..	Volatile matter, 1·4 gr.; sodium-chloride, 0·8; sodium-carb., 0·32; calcium-carb., 1·54; calcium-sulphate, trace; silicates, 1·6; iron, trace; free ammonia, trace; album. ammonia, nil. The water becomes slightly alkaline when boiled. Very pure water.
Customs .. Health ..	Acetic acid Christchurch water ..	" 22 .. " 27 ..	Tariff .. Purity ..	Acetic acid, 58·7 per cent. Volatile and organic matter, 1·8 gr.; sodium-chloride, 0·92; lime, 1·92; silicates, 0·96; iron, trace; sulphates, trace; free ammonia, 0·015; album. ammonia, trace.
" ..	"	" 27 ..	" ..	Volatile and organic matter, 1·96; sodium-chloride, 0·92; lime, 1·8; silicates, 0·56; iron, trace; sulphates, trace; free ammonia, 0·015; album. ammonia, trace.
" ..	"	" 27 ..	" ..	Volatile and organic matter, 1·98; sodium-chloride, 0·92; lime, 1·1; silicates, 0·78; iron, trace; sulphates, trace; free ammonia, 0·015; album. ammonia, trace.
Police ..	Pills	" 25 ..	Composition ..	The waters are very pure. Contained sulphate of iron, aloe, hellebore, ergotin; scented with oil of pennyroyal and tansy.
Health ..	Water, Christchurch ..	" 29 ..	Purity ..	Volatile matter, 1·4 gr.; sodium-chloride, 1·12; lime, 0·85; silicates, trace; sulphates, trace; iron, trace; free ammonia, 0·015; album. ammonia, trace.
" ..	"	" 29 ..	" ..	Volatile matter, 1·19; sodium-chloride, 3·52; lime, 1·96; sodium-sulphate, 1·2; sodium-carb., 1·4; silicates, 1·68; iron, trace; ammonia, trace.
" ..	Sewage, C. Wilton's septic-tank filter	July 9 ..	Impurities ..	Total solids, 124; sodium-chloride, 10·2; free ammonia, 5·0; album. ammonia, 0·4; oxygen absorbed, 1·37; nitrates, nil. Smell, bad.
Customs ..	Acetic acid	" 17 ..	Tariff ..	Acetic acid, 98·5 per cent.; melting-point, 56·5° Fahr.
" ..	"	" 22 ..	" ..	" 58·5 per cent.
" ..	"	" 25 ..	" ..	" 59·5 "
" ..	"	" 25 ..	" ..	" 58·5 "
Police ..	Stomach of horse ..	" 29 ..	Poison ..	Free from poison.
Customs ..	Acetic acid	Aug. 1 ..	Tariff ..	Acetic acid, 60·3 per cent.
Health ..	Sewage, St. Mary's Home	" 2 ..	Impurities ..	Total solids, 56; sodium-chloride, 23·1; free ammonia, 11; album. ammonia, 0·6; oxygen absorbed, 5·0. Smell, bad.
" ..	Water, Ashburton, shallow well, Havelock Street	" 23 ..	Purity ..	Volatile matter, 1·5 gr.; sodium-chloride, 0·81; sulphates, 0·94; lime, 1·5; iron, 0·07; silicates, 0·42; nitrates, bare trace; free ammonia, 0·04; album. ammonia, 0·007.
" ..	Water, Ashburton, shallow well at Dr. Maude's house	" 23 ..	" ..	Volatile matter, 0·84; sodium-chloride, 0·8; sulphates, 0·94; lime, 1·14; iron, trace; silicates, 0·28; free ammonia, 0·03; album. ammonia, trace.
Health, by Engineer, Lyttelton Water-works	Residue from water-main	" 29 ..	General ..	Volatile and organic matter, 29·4 per cent.; silicates, 22·5 per cent.; alumina, 3·9 per cent.; oxide of iron, 39 per cent.; lime and metals (brass), 0·2 per cent. The above is composed of organic matter, oxides, and carb. of iron, clay, and traces of metal from pumps.
Customs ..	Acetic acid	Sept. 4 ..	Tariff ..	31·5 per cent. acetic acid.
Health ..	Water, Kurow, service-pipe of school	" 13 ..	Purity ..	Volatile and organic matter, 2·76; sodium-chloride, 1·4; calcium-carb., 8·5; calcium-sulphate, 4·7; iron, trace; free ammonia, 0·005; album. ammonia, trace.
" ..	Water from Kurow railway well	" 13 ..	" ..	Volatile and organic matter, 7; sodium-chloride, 3·88; calcium-carb., 5·8; calcium-sulphate, trace; nitrate of soda, 3·6; silicates, 1·12; iron, trace; phosphates, trace; free ammonia, 0·02; album. ammonia, trace. Contains oxidized sewage-matter.