

## 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.
Health	1906. Aug. 23	Sewage, raw, from Jackson's Creek	Purity .. ..	Parts per 100,000: Total solids, 22; sodium-chloride, 22; ammonia, 0.5; nitrates, trace; oxygen, nil.
"	" 23	Water from intake-race	" .. ..	Grains per gallon: Loss on ignition, 1.12; sodium-chloride, 0.8; carb. of lime, 0.64; sulphates, 0.4; silicates, 0.28. Parts per million: Free ammonia, 0.016; album. ammonia, 0.006; oxygen absorbed in 4 hours, 0.02.
"	" 23	Water from service-pipes	" .. ..	Gr. per gallon: Loss on ignition, 1.96; sodium-chloride, 0.8; carb. of lime, 0.69; sulphates, 0; silicates, 0.66. Parts per million: Free ammonia, 0.06; album. ammonia, 0.06; oxygen absorbed in 4 hours, 0.06.
"	" 23	Water from River Avon, above Hospital	" .. ..	Parts per 100,000: Total solids, 7; sodium-chloride, 0.7; ammonia, 0.024; nitrates, trace; oxygen, nil.
"	" 23	Water from River Avon, Stanmore Bridge	" .. ..	Parts per 100,000: Total solids, 7; sodium-chloride, 0.7; ammonia, 0.024; nitrates, trace; oxygen, 0.03.
"	Sept. 3	Sewage, raw, from Jackson's Creek	" .. ..	Parts per 100,000: Total solids, 22; sodium-chloride, 5.6; ammonia, 0.4; nitrates, nil. Oxygen, 2.6.
"	" 7	Water, reservoir at Timaru	For solids.. ..	Total solids, 5.07 gr. per gallon.
"	" 7	Water service, Timaru	" .. ..	" 4.76 "
Customs	" 12	Glacial acetic acid ..	Tariff .. ..	98 per cent. acetic acid. Not glacial.
"	" 18	Acetic acid ..	" .. ..	56.1
Health	" 18	Water from reservoir side of screen, Timaru	Purity .. ..	Gr. per gall.: Loss on ignition, 1.4; sodium-chloride, 1.25; cal. carb., 2.48; silicates, 0.42; sulphates, trace. Parts per million: Free ammonia, 0.004; album. ammonia, 0.005; oxygen absorbed, nil.
"	" ..	Water from well on town side of screen, Timaru	" .. ..	Loss on ignition, 1.82; sodium-chloride, 1.15; sodium carb., 2.96; silicates, 0.56; sulphates, trace; free ammonia, 0.004; album. ammonia, 0.005; oxygen absorbed, nil.
"	" ..	Water from race, Timaru	" .. ..	Loss on ignition, 2.02; sodium-chloride, 1.03; cal. carb., 2.4; silicates, 0.42; sulphates, trace; free ammonia, 0.004; album. ammonia, 0.005; oxygen, nil.
"	" ..	Water from east end reservoir, Timaru	" .. ..	Loss on ignition, 1.26; sodium-chloride, 1.1; cal. carb., 2.26; silicates, 0.56; sulphates, trace; free ammonia, 0.004; album. ammonia, 0.005; oxygen, nil.
"	Sept. 14	Water from house-service, Timaru	" .. ..	Loss on ignition, 1.6; sodium-chloride, 1.1; cal. carb., 2.4; silicates, 0.56; sulphates, trace; free ammonia, 0.004; album. ammonia, 0.005; oxygen, nil.
"	" 14	Water from Burnham, before entering settling-tank	" .. ..	Loss on ignition, 3.52; sodium-chloride, 0.69; cal. carb., 1.96; silicates, 0.84; sulphates, trace; free ammonia, 0.02; album. ammonia, 0.1; oxygen, 6.7.
"	" 14	Water from service..	" .. ..	Loss on ignition, 0.84; sodium-chloride, 0.69; cal. carb., 1.24; silicates, 0.14; sulphates, trace; free ammonia, 0.003; album. ammonia, 0.003; oxygen, nil.
"	" 21	Water from tap, Dr. Crawshaw's house	" .. ..	Loss on ignition, 0.84; sodium-chloride, 0.92; cal. carb. 0.62; silicates, 0.42; sulphates, trace; free ammonia, 0.008; album. ammonia, trace; oxygen, nil.
"	" 21	Water from tap, Mr. Buxton's, at Temuka	" .. ..	Same as above.
"	" 21	Water from well at railway-station, Temuka	" .. ..	" Exceptionally good water.
"	" 28	Water from well, reservoir side of screen, Timaru	Total solids .. ..	Grains per gall.: Loss on ignition, 2.24; total solids, 7; mineral matter, 4.76.
"	" 28	Water from well on town side of screen, Timaru	" .. ..	Gr. per gall.: Loss on ignition, 2.78; total solids, 7.26; mineral matter, 4.46.