

samples (six) and the Dunedin samples taken by the police (twenty-four) probably represent the quality with which the public ought to be supplied.

(e.) Taking the whole of the fifty-one samples analysed here for the year, the average composition comes out very satisfactorily—namely, 13·17 per cent. of total solids, 3·62 per cent. of butter-fat, 9·55 per cent. of solids other than fat.

I think 3·25 per cent. of butter-fat ought to be the minimum insisted on from sound healthy cows and proper feed, and let all milk-vendors work up to this standard.

I have, &c.,

The Chief Health Officer, Wellington.

JAMES G. BLACK,
Government Analyst.

RETURN OF ANALYSES for the Year ended 31st March, 1908. (Analytical Laboratory, Dunedin.)

Department or Person from whom Sample received.	Nature of Sample.	Date received.	Adulteration suspected, or for what analysed.	Result.																																	
Police, Gore ..	Hop-beer ..	1907. April 4	Alcoholic strength	1·5 per cent. of alcohol by weight. Not intoxicating.																																	
Health Department	Water from Gore	March 26	Impurities ..	No. 1 : Mineral matter, 32 gr. per gallon ; organic matter, 1·4 gr. ; by De Chaumont's test, good.																																	
Ditto ..	"	" 26	" ..	No. 1A : Mineral matter, 31 gr. per gallon ; organic matter, 1·3 gr. ; by De Chaumont's test, good.																																	
" ..	"	" 26	" ..	No. 2 : Mineral matter, 20 gr. per gallon ; organic matter, 1·5 gr. ; by De Chaumont's test, good.																																	
" ..	"	" 26	" ..	No. 2A : Mineral matter, 21·3 gr. per gallon ; organic matter, 1·7 gr. ; by De Chaumont's test, good.																																	
" ..	"	" 26	" ..	No. 3 : Mineral matter, 14·6 gr. per gallon ; organic matter, 7·8 gr. ; ammonia, some ; nitrogenous matter, trace ; by De Chaumont's test, bad.																																	
Public Health, Gore ..	Water before pumping	" 26	" ..	Mineral matter, 19·3 gr. per gallon ; organic matter, 0·7 gr. ; by De Chaumont test, 0·9 gr., good.																																	
Ditto ..	Water after seven hours' pumping	" 26	" ..	Mineral matter, 19·1 gr. per gallon ; organic matter, 0·6 gr. ; by De Chaumont test, 0·9 gr., good.																																	
Ditto ..	Water, reticulated supply	" 26	" ..	Mineral matter, 19·2 gr. per gallon ; organic matter, 0·7 gr. ; by De Chaumont's test, 0·8 gr., good.																																	
Public Health, Invercargill	Water from household tap ..	April 7	" ..	Mineral matter, 16·6 gr. per gallon ; chlorides, 1·2 gr. ; De Chaumont's in app. for iron.																																	
Police, Dunedin	Milk	May 18	Adulteration, percentage of fat, purity, &c.	<table><tr><td>Total Solids.</td><td>Fat.</td><td>Solids not Fat.</td><td></td></tr><tr><td>Per Cent.</td><td>Per Cent.</td><td>Per Cent.</td><td></td></tr><tr><td>13·9</td><td>4·1</td><td>9·8</td><td></td></tr></table>	Total Solids.	Fat.	Solids not Fat.		Per Cent.	Per Cent.	Per Cent.		13·9	4·1	9·8																						
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" ..	"	" 18	Ditto ..	<table><tr><td>14·3</td><td>4·7</td><td>9·6</td><td rowspan="10">Good ; genuine quality.</td></tr><tr><td>14·9</td><td>4·9</td><td>10·0</td></tr><tr><td>14·1</td><td>4·5</td><td>9·6</td></tr><tr><td>14·4</td><td>4·7</td><td>9·7</td></tr><tr><td>14·4</td><td>4·8</td><td>9·6</td></tr><tr><td>13·1</td><td>3·8</td><td>9·3</td></tr><tr><td>14·4</td><td>4·5</td><td>9·9</td></tr><tr><td>12·1</td><td>2·8</td><td>9·3</td><td rowspan="2">Deficient in fat.</td></tr><tr><td>14·1</td><td>4·6</td><td>9·5</td></tr><tr><td>14·2</td><td>4·5</td><td>9·7</td><td>Good.</td></tr></table>	14·3	4·7	9·6	Good ; genuine quality.	14·9	4·9	10·0	14·1	4·5	9·6	14·4	4·7	9·7	14·4	4·8	9·6	13·1	3·8	9·3	14·4	4·5	9·9	12·1	2·8	9·3	Deficient in fat.	14·1	4·6	9·5	14·2	4·5	9·7	Good.
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" ..	"	" 22	" ..	<table><tr><td>12·2</td><td>2·91</td><td>2·29</td><td rowspan="4"></td></tr><tr><td>13·1</td><td>3·8</td><td>9·3</td></tr><tr><td>14·0</td><td>4·3</td><td>9·7</td></tr><tr><td>12·4</td><td>2·7</td><td>9·7</td></tr></table>	12·2	2·91	2·29		13·1	3·8	9·3	14·0	4·3	9·7	12·4	2·7	9·7																				
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Public Health, Dairy Industries	"	June 8	" ..																																		
Ditto ..	"	" 8	" ..	<table><tr><td>13·8</td><td>3·9</td><td>9·9</td><td rowspan="5">Fat deficient ; water added.</td></tr><tr><td>9·3</td><td>2·4</td><td>6·9</td></tr><tr><td>12·7</td><td>3·0</td><td>9·7</td></tr><tr><td>11·3</td><td>2·3</td><td>9·0</td></tr><tr><td>11·5</td><td>2·4</td><td>9·1</td></tr></table>	13·8	3·9	9·9	Fat deficient ; water added.	9·3	2·4	6·9	12·7	3·0	9·7	11·3	2·3	9·0	11·5	2·4	9·1																	
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