

<i>Analysis.</i>					
Chloride of sodium	...	...	...	...	1,303·329
Chloride of potassium	...	...	...	...	·501
Chloride of magnesium	...	...	...	...	34·960
Chloride of calcium	...	...	...	...	120·885
Iodide of magnesium	...	...	...	...	·582
Bromide of magnesium	...	...	...	...	traces
Sulphate of lime	...	...	...	...	3·026
Phosphate of alumina	}	...	...	...	{ ·641
Phosphate of iron					
Phosphate of lime	...	...	...	...	·430
Bi-carbonate of lime	...	...	...	...	6·451
Silica	...	...	...	...	1·696
Iodine, free	...	...	...	...	1·595
					1,474·096

[Extract from "Thirteenth Annual Report on the Colonial Museum and Laboratory," pp. 31, 32.]

No. 2024 is a mineral water from Savu Savu, Fiji. It has a decidedly saline taste, and an alkaline reaction, manifest even in the water in its normal state. It is besides quite clear, but a sediment had formed therein which consisted mainly of silica, and amounted to 10·47 grains computed upon the gallon.

Specific gravity of water is 1008·02 at 60° Fahr.

The following is a statement of the composition of the matter found in it, computed also in grains per gallon :—

<i>Analysis.</i>					
Chloride of sodium	...	...	...	...	238·31
Chloride of potassium	...	...	...	...	7·5
Chloride of magnesium	...	...	...	...	3·99
Chloride of calcium	...	...	...	...	275·89
Sulphate of soda	...	...	...	...	21·27
Bi-carbonate of soda	...	...	...	...	11·13
Bi-carbonate of lime	...	...	...	...	6·19
Silica	...	...	...	...	11·36
					568·89

This water therefore belongs to that class of mineral waters known as the chlorinated. I was unable to detect iodine in this water, but the quantity of it at my disposal was far too small to allow of any exhaustive search being made for it.

No. 2034 is another mineral water. It is from Porangahau, and is charged with lime to a great extent. It is clear and tasteless; reaction faintly alkaline.

<i>Analysis.</i>					
Chloride of sodium	...	...	...	...	8·37
Sulphate of soda	...	...	...	...	·53
Bi-carbonate of soda	...	...	...	...	2·92
Bi-carbonate of lime	...	...	...	...	5·70
Bi-carbonate of magnesia	...	...	...	...	2·81
Bi-carbonate of iron	...	...	...	...	traces
Silica	...	...	...	...	1·54
Organic matter	...	...	...	...	2·61
					24·48

No. 2073, from Whangarei, is also a mineral water. It belongs to the class known as carbonated, and the sub-class alkaline of it, resembling therefore the mineral water of Vichy, in France, which is largely used medicinally.

<i>Analysis.</i>					
Chloride of sodium	...	...	...	...	43·67
Chloride of potassium	...	...	...	...	traces
Sulphate of soda	...	...	...	...	1·63
Bi-carbonate of soda	...	...	...	...	58·25
Bi-carbonate of lime	...	...	...	...	90·67
Bi-carbonate of magnesia	...	...	...	...	4·39
Bi-carbonate of iron	...	...	...	...	3·75
Phosphate of alumina	...	...	...	...	traces
Silica	...	...	...	...	13·81
					216·17