

Analysis.						
Sulphate of potash	...	...	...	...	...	·07
Sulphate of soda	...	...	...	...	...	8·37
Sulphate of lime	...	...	...	...	...	2·50
Sulphate of magnesia	...	...	...	...	...	·93
Sulphate of alumina	...	...	...	...	...	trace
Sulphate of iron	...	...	...	...	...	2·68
Phosphate of alumina	...	...	...	...	...	trace
Sulphuric acid, free	...	...	...	...	...	18·02
Hydrochloric acid, free	...	...	...	...	...	·86
Silica	...	...	...	...	...	10·08
Sulphuretted hydrogen	...	...	...	...	...	1·01
						44·52

No. 14.—From Te Kute, the “Great Spring,” 10½ miles from Ohinemutu, a pool three-quarters of an acre in extent, having a temperature varying from 100° to 212° in various parts. It boils furiously, and dense volumes of steam are continually rising from it. The water is of a muddy brown colour, and contains a large proportion of sulphuretted hydrogen, and is reported to be wonderfully efficacious in cases of rheumatism and cutaneous diseases.

Analysis.						
Sulphate of potash	...	...	...	...	...	·59
Sulphate of soda	...	...	...	...	...	12·66
Sulphate of alumina	...	...	...	...	...	11·22
Sulphate of lime	...	...	...	...	...	1·01
Sulphate of magnesia	...	...	...	...	...	·69
Sulphate of iron	...	...	...	...	...	1·73
Phosphoric acid	...	...	...	...	...	traces
Sulphuric acid, free	...	...	...	...	...	·77
Hydrochloric acid, free	...	...	...	...	...	1·63
Sulphuretted hydrogen	...	...	...	...	...	5·74
Silica	...	...	...	...	...	12·40
						48·44

No. 15.—From Te Mimi, Okakahi, a waterfall having a temperature of 90° to 112°. It drains from the preceding (No. 14), and only differs from it in being more dilute, and having a larger proportion of sulphuric acid, and less sulphuretted hydrogen.

Analysis.						
Sulphate of potash	...	...	...	...	...	·13
Sulphate of soda	...	...	...	...	...	4·78
Sulphate of alumina	...	...	...	...	...	trace
Sulphate of lime	...	...	...	...	...	2·04
Sulphate of magnesia	...	...	...	...	...	·93
Sulphate of iron	...	...	...	...	...	·23
Phosphate of alumina	...	...	...	...	...	traces
Sulphuric acid, free	...	...	...	...	...	12·48
Hydrochloric acid, free	...	...	...	...	...	3·82
Sulphuretted hydrogen	...	...	...	...	...	·98
Silica	...	...	...	...	...	4·12
						29·51

ANALYSES OF FIFTEEN MINERAL WATERS FROM ROTORUA DISTRICT, No. 1849.

No.	Tempera- ture.	CONTENTS IN GRAINS PER GALLON.											Total Contents.
		Silica.	Iron Oxide.	Alumina.	Lime.	Mag- nesia.	Soda.	Potash.	Lithia.	Sulphuric Acid.	Chlorine.	Sul- phuretted Hydrogen.	
	Deg. Fah.												
1	210-214	39·31	·3	2	·77	·21	67·10	1·81	Traces	4·42	39·36	...	153·30
2	90-180	20·18	·3	1	·77	·12	32·37	·61	...	3·98	18·63	...	76·37
3	96-120	13·63	·2	1	·77	·45	39·84	·81	...	7·59	33·18	Traces	96·48
4	136-156	20·09	·1	7	·16	·07	30·01	1·31	...	5·81	28·72	...	86·34
5	214	25·72	·46	Traces	1·24	·30	39·47	·91	Traces	4·22	40·96	...	113·28
6	204-208	45·66	Traces	·54	5·54	·46	50·01	·66	...	6·33	57·27	...	166·47
7	107-110	10·31	·4	6	1·41	·31	8·33	·30	...	7·91	4·01	Traces	33·04
8	204	16·09	·14	Traces	1·68	·62	46·36	1·60	Traces	20·72	46·72	2·01	135·94
9	109-115	7·01	·54	Traces	·81	·38	14·61	·51	...	98·72	7·08	·41	130·07
10	130-150	18·17	·3	4	1·01	·62	12·59	·39	...	18·16	6·21	...	57·49
11	80-100	13·86	·7	·38	·84	·54	10·35	·42	...	25·44	7·45	3·19	63·17
12	160	18·15	1·49	·2	·91	·43	5·46	·16	...	25·44	2·53	...	54·77
13	100-212	10·08	1·27	Traces	1·03	·31	3·94	·04	...	26·04	·84	1·01	44·56
14	90-100	12·40	·82	4·91	·83	·23	5·53	·32	...	19·49	1·59	5·74	51·86
15	90-112	4·12	·1	5	·84	·31	2·09	·07	...	17·22	3·72	·98	29·50

NOTE.—The phosphoric acid present is omitted from this table, but appears in the detailed account of these waters.