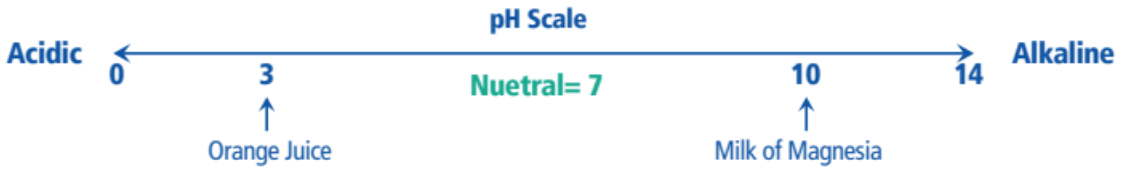
Water Quality Conversion Chart

Quality →

Less Dissolved Solids →

Resistivity	Conductivity	Dissolved Solids	Grains Per Gallon	Ph	
Ω=ohms	µS=Microseimens mS=Miliseimens	TDS (ppm or mg/l as CaCo3)	GPG 1 Grain = 17.1 ppm	Max	Min
18 MΩ	0.056 µS	0.028	0	7.8	6.2
17 MΩ	0.058 µS	0.029	0.002	7.8	6.2
16 MΩ	0.063 µS	0.031	0.002	7.9	6.1
15 MΩ	0.066 µS	0.033	0.002	7.9	6.1
14 MΩ	0.071 µS	0.036	0.002	7.9	6.1
13 MΩ	0.077 µS	0.038	0.002	7.9	6.1
12 MΩ	0.083 µS	0.042	0.002	8	6
11 MΩ	0.091 µS	0.045	0.003	8	6
10 MΩ	0.1 µS	0.05	0.003	8.1	5.9
9 MΩ	0.11 µS	0.055	0.003	8.1	5.9
8 MΩ	0.125 µS	0.063	0.004	8.2	5.8
7 MΩ	0.143 µS	0.0715	0.004	8.3	5.7
6 MΩ	0.167 µS	0.0835	0.005	8.3	5.7
5 MΩ	0.2 µS	0.1	0.006	8.4	5.6
4 MΩ	0.250 µS	0.125	0.007	8.5	5.5
3 MΩ	0.333 µS	0.1665	0.01	8.6	5.4
2 MΩ	0.5 µS	0.25	0.015	8.8	5.2
1 MΩ	1 µS	0.5	0.029	9.1	4.9
900 KΩ	1.11 µS	0.55	0.032	9.2	4.8
800 KΩ	1.25 µS	0.625	0.037	9.2	4.7
700 KΩ	1.43 µS	0.715	0.042	9.3	4.6
600 KΩ	1.67 µS	0.835	0.049	9.4	4.5
500 KΩ	2 µS	1	0.058	9.5	4.4
400 KΩ	2.5 µS	1.25	0.073	9.6	4.4
300 KΩ	3.3 µS	1.65	0.096	9.7	4.3
200 KΩ	5 µS	2.5	0.146	9.7	4.3
100 KΩ	10 µS	5	0.292	10.1	3.9
50 KΩ	20 µS	10	0.585	10.4	3.6
40 KΩ	25 µS	12.5	0.731	10.5	3.5
30 KΩ	33.3 µS	16.65	0.974	10.6	3.4
20 KΩ	50 µS	25	1.462	10.8	3.2
10 KΩ	100 µS	50	2.974	11.1	2.9
5 KΩ	200 µS	100	5.848	11.4	2.6
1 KΩ	1 mS	500	29.24	12.1	1.9