

FAMOUS BREWING WATERS

SOURCE	Ca	Mg	Na	CO3	SO4	Cl
Antwerp [DeKonick]	90	11	37	76	84	57
Beerse region [Westmalle]	41	8	16	91	62	26
Brugse [Brugs Tarwebier]	132	13	20	326	99	38
Brussels region	100	11	18	250	70	41
Burton-upon-Trent 1	268	62	-	280	638	36
Burton-upon-Trent 2	270	60	30	200	640	40
Burton-upon-Trent 3	295	45	55	300	725	25
Burton-upon-Trent 4	268	62	54	200	638	36
Chico [Sierra Nevada]	16-50	10-32	8-34	100est.	0-19	0-37
Dortmund 1	225	40	60	180	120	60
Dortmund 2	250	25	70	550	280	100
Dublin 1	119	4	12	156	53	19
Dublin 2	118	4	12	319	54	19
Düsseldorf	40	-	25	-	80	45
Edinburgh 1	140	60	80	140	96	34
Edinburgh 2	120	25	55	225	140	20
Edinburgh 3	100	18	20	160	105	45
Köln (Cologne)	104	15	52	152	86	109
London Well 1	52	32	86	104	32	34
London Well 2	50	20	100	160	80	60
Munich 1	75	18	2	150	10	2
Munich 2	109	21	2	171	79	36
Munich 3	75	18	-	152	10	2
Pilsen	7	2	2	15	5	5
San Francisco [Anchor]	24	15	28	104	39	39
Vienna 1	200	60	8	120	125	12
Willebroek/Rumst [Duvel]	68	8	33	143	70	60

MBS: Burton-upon-Trent 1, Munich 3

Foster, Pale Ale: Burton-upon-Trent 2

Papazian, HB Companion: Burton-upon-Trent 3, Dortmund 2, Edinburgh 2

Noonan, Brewing Lager Beer: Dortmund 1, Munich 1, Pilsen, Vienna 1

Wahl-Henius, American Handy Book: Dublin 1

Zymurgy, Winter 1991: Burton-upon-Trent 4, Dublin 2

David Draper Homebrew Digest Post, 10 April 1995: Düsseldorf

Westermann and Huige, Fermentation Technology: Edinburgh 1, London Well 1

Noonan, Scotch Ale: Edinburgh 3

Bob Bloodworth Homebrew Digest Post, 26 January 1995: Köln

Foster, Porter: London Well 2

Hardwick, Editor, Handbook of Brewing: Munich 2

The Brewmaster's Recipe Manual: San Francisco

Municipal Water Reports on the Web: others

It is important to note that although you may match the local water perfectly, you must also investigate what the brewery does with their water. One common treatment is to add calcium hydroxide to remove temporary hardness. Another example is that in Burton-upon-Trent, the municipal water is now 50% well and 50% surface water, which makes it quite a bit lower in calcium and sulfate than what's listed here. The Burton Bridge Brewery adds gypsum to bring the sulfate level back up to 700 ppm. As a result, the calcium and sulfate levels are roughly 280 and 700 ppm, respectively, but magnesium is only about 25 ppm, sodium 22 ppm, carbonate 125 ppm, and chloride 15 ppm.