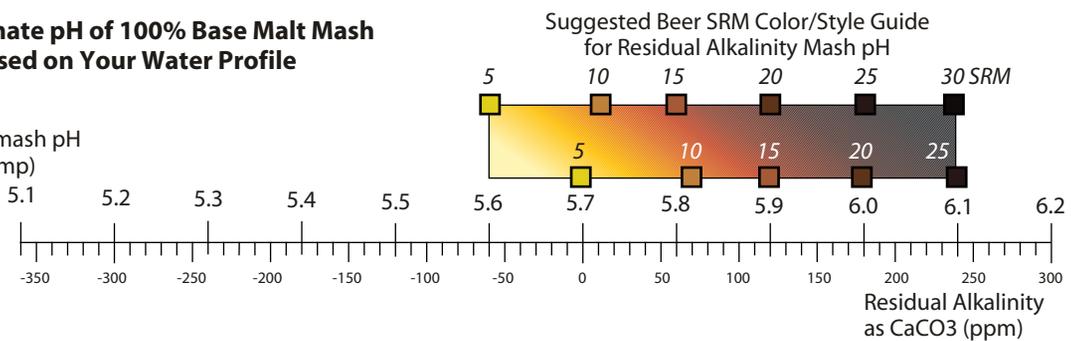
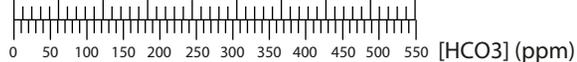


### Approximate pH of 100% Base Malt Mash Based on Your Water Profile

Base-malt-mash pH  
(@ room temp)



Alkalinity as CaCO<sub>3</sub> (ppm)



[Mg] (ppm)

0 10 20 30 40 50 60 70 80 90 100

0 50 100 150 200 250 300 350

Effective Hardness  
Note: This is not the same as  
Total Hardness as CaCO<sub>3</sub>

[Ca] (ppm)

0 10 20 30 40 50 100 150 200 250 300 350 400

#### Usage Notes:

1. Assume a correlation error of +/- .1 pH and a range of at least 5 SRM due to individual mash chemistry.
2. The actual pH of the mash at mash temperature (~150°F) is typically .35 pH less than it measures at room temperature.
3. For best results, the mash pH should always be between 5.2-5.6, regardless of beer style, when measured at mash temperature.