## Calculate Liquid Chemical Dose <br> From Calibration Cylinder Drawdown

Feed Solution Strength Using Liquid Chemica Product specific gravity From product data sheet. For hypochlorite use 1.00-SG included in product strength.

## Product strength

In decimal form. Example: for $23.5 \%$ use 0.235 . For aluminum sulfate (alum), use dry alum equivalent, usually about $48.5 \%$ as aluminum sulfate or 0.485Feed solution strength Feed solution strength
Gallons of product gallons of final solution. Use 1.00 if fed full strength.
Tip: 128 fl oz $=16$ cups $=1 \mathrm{gal}$
lb/gal
8.34


Chemical Concentration (lb/gal)
 Chemical Name:

## lbs of product added

to solution tank
Product purity (\%
active ingredient)
In decimal form
For soda ash, lime use 1.00

## - Gallons of final solution

Chemical Concentration (lb/gal)

Using This Poster Start by entering the details of the dry or liquid chemical you're using (left). Next, using a timer and calibration cylinder, measure the chemical feed pump rate (right). Then fill in the numbers and use a calculator to find the current values for each of the colored boxes. Finally, plug those values into the equation at the bottom and calculate current dose.


Abbreviations gpm: gallons per minute fl oz: fluid ounces
lb: pounds
L: liters
mg: milligrams
MG: million gallons
MGD: million gallons per day mL : milliliters (1/1000 liter)
SG: specific gravity



Dose $\left(\frac{\mathrm{mg}}{\mathrm{L}}\right)=\frac{\text { Chemical Feed Rate }\left(\frac{\mathrm{gal}}{\mathrm{day}}\right) \times \text { Chemical Concentration }\left(\frac{\mathrm{lb}}{\mathrm{gal}}\right)}{\text { Plant Flow Rate }(\text { MGD }) \times 8.34 \text { (Conversion Factor) }}$


