

# How to Measure Daraclean Concentration by HACH Alkalinity Titration Kit

1. Thoroughly agitate in-use cleaning bath, then take about 100 mL of cleaning solution.
2. Fill the kit's measuring tube to the top with cleaning solution.
3. Transfer cleaning solution sample into the mixing bottle.
4. Add one packet of Bromcresol Green-Methyl Red indicator powder to the mixing bottle and swirl to dissolve. Solution will turn blue-green.
5. While swirling, slowly add Sulfuric Acid titrant solution drop-by-drop to the sample until the solution turns pink. Count how many drops are added to turn the solution pink.
6. Calculate cleaning solution concentration by:

$$\text{Number of drops of titrant to reach end-point} \times \text{Titration factor} = \% \text{ Cleaning solution}$$

Product	Titration Kit Titration Factor*
Daraclean 121	6.3
Daraclean 200	1.15
Daraclean 212	0.7
Daraclean 232	1.8
Daraclean 235	2.15
Daraclean 236	2.5
Daraclean 238	0.8
Daraclean 257	1.0
Daraclean 259	0.65
Daraclean 282	1.7
Daraclean 282GF	1.43
Daraclean 283	1.66
LC5	0.08
Magnavu Dip	1.4
Magnavu Spray	1.4
615	0.71

\* Titration factors in this table apply only to titrations performed with the HACH Alkalinity Titration Kit.

## Alkalinity Titration Kit Ordering Information

**Description:** Alkalinity Test Kit, Model AL-TA  
**Product #:** 2314500  
**Manufacturer:** Hach Company  
**Website:** [www.hach.com](http://www.hach.com)  
**Telephone:** 1-800-227-4224