

QUALITEK®

HDT-200S Digital Titration Kit For Saponifier

DESCRIPTION

The HDT-200S Titration Kit contains the following:

1. 1 Hach digital titrator (6900-02)
2. 10 ml. plastic graduated cylinder (GRAD-001)
3. 1- 125ml. Erlenmeyer flask (FLASK-001)
4. 1 ounce of phenolphthalein indicator solution (SOLN-P)
5. 1- 8N HCL cartridge (CART-002)
6. 5 delivery hook tubes (TUBE-001)

APPLICATION METHODS

The performance of Qualitek saponifier may be monitored by titration. A measured amount from the wash tank is titrated with a test solution (8N HCL) to an end point indicated by a color change. The titration reading allows for a calculation of the concentration. The tables are used to determine the appropriate amount of saponifier concentration within the prescribed range.

PROCEDURE

1. After mixing thoroughly, take a sample from the wash tank.
2. Attach a clean delivery tube to the cartridge of 8N HCL. Fasten the cartridge to the body of the digital titrator.
3. Flush the delivery tube by turning the coarse delivery knob to eject a few drops of 8N HCL, Reset the counter to zero and dry the tip.
4. Add 3-4 drops of indicator to the 125-ml flask, then add 50 ml of water.
5. Using the pipette, transfer 5ml from the wash tank sample to the 125-ml flask containing the indicator solution and swirl gently to mix. The solution will turn bright pink in color.
6. Immerse the end of the delivery tube into the sample and perform titration by turning the delivery knob. While mixing, continue turning the knob until the sample changes from a bright pink solution to a clear solution. When the clear condition persists within the solution (the color does not return with mixing), this is the end point of the titration.
7. The number in the digital titration window is used to calculate the concentration.
8. Depress the plunger release button and manually retract the plunger into the body of the titrator. Remove the cartridge and delivery tube, and reseal the cartridge.
9. Use the digits and add the appropriate amount of saponifier to the wash tank based on the process control chart.

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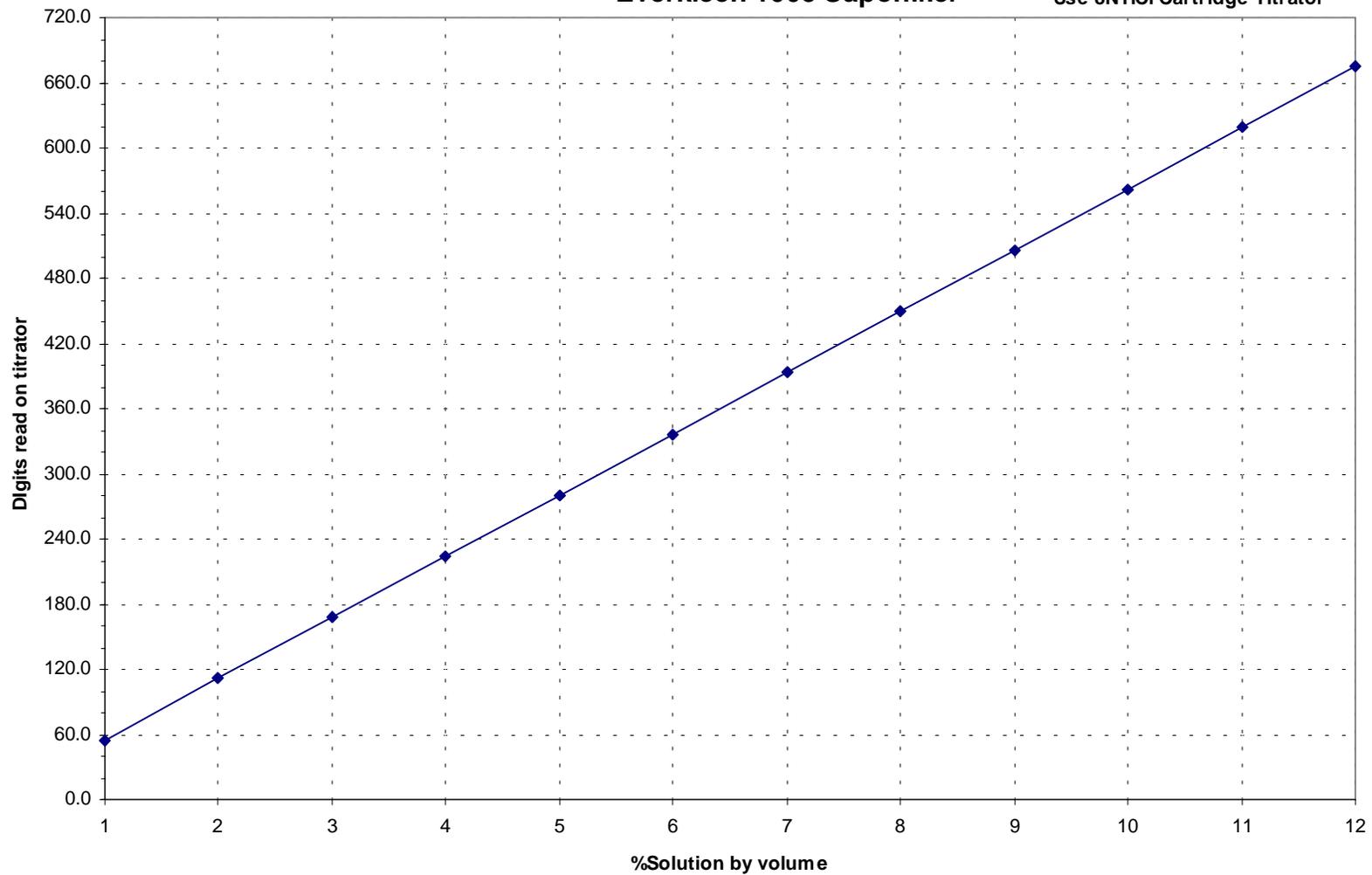
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Consult MSDS for health and safety information

CHEMICAL TITRATION determined by HACH Digital Titrator

Everkleen 1005 Saponifier

Use 8N HCl Cartridge Titrator



A=Desired % Soln

B=Known % Soln (See chart)

C=Volume of bath (in gallons)

Amount of 1005 to added (fl.oz)= $A \{ (A-B) / 100 + C \} \times 1.28$