



Aquaease™ PL 930

Aquaease PL 930 is a low foam, heavy-duty caustic, chelated alkaline spray cleaner for steel, stainless steel, and nickel. Aquaease PL 930 contains additives that impart higher solvency for difficult hydrophobic soils.

Features & Benefits

Removes light surface oxides	Produces a metallurgical clean surface
Excellent particulate soil removal when used as a spray	Effective at low operating temperatures
Biodegradable wetting system	Easily waste treated

Typical Applications

- Spiral spray washing stamped parts
- Spiral spray washing of deep drawn parts
- Parts cleaning prior to pre-processes including phosphates and zirconium

Operating Conditions

Concentration	1% – 10%
Temperature	120°F – 160°F
Time	1 – 10 min
Equipment	Mild steel tanks and heating coils
Ventilation	Suggested



Notes: For use in a power spray machine (spiral spray washer, belt washer, monorail washer) operating concentration may range from 1 to 10% (vol) and operating temperature 120° to 160°F.

The above concentrations given are for a wide variety of applications. For the average jobs, the concentration should range between 3 to 5% (volume). Consumption of the cleaner is affected by reaction with soils and neutralization of fatty acids.

Additions to maintain desired concentration are recommended.

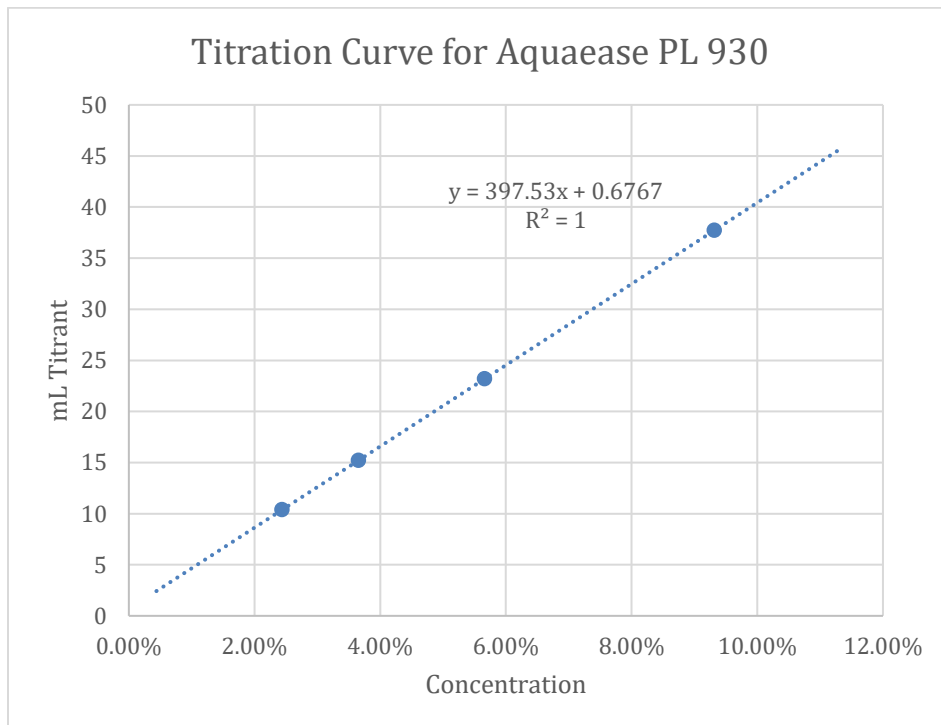
Titration Method

1. Use a pipet or graduated cylinder to transfer 10 mL of bath solution into a 250 mL beaker.
2. Add deionized water to the 50 mL line.
3. Add a magnetic stir bar and place a calibrated pH probe into the solution.
4. Titrate with 0.1 N hydrochloric acid until you reach a pH of 3.00.

Alternative Method: methyl orange indicator can also be used to a pink endpoint (no longer changes color)

Calculation:

$$mL\ 0.1\ N\ HCl \times 0.251 = \text{Percent Aquaease PL 930 by volume}$$





Waste Disposal

Discharge rinse waters and spent solutions to a permitted disposal system. In order to be completely informed on the latest regulations for your area, please contact the local authorities.

Caution

Read and understand the Safety Data Sheet prior to handling Aquaease PL 930.

WARRANTY: THE QUALITY OF THIS PRODUCT IS GUARANTEED ON SHIPMENT FROM OUR PLANT. IF THE USE RECOMMENDATIONS ARE FOLLOWED, DESIRED RESULTS WILL BE OBTAINED. SINCE THE USE OF OUR PRODUCTS IS BEYOND OUR CONTROL, NO GUARANTEE EXPRESSED OR IMPLIED IS MADE AS TO THE EFFECTS OF SUCH USE, OR THE RESULTS TO BE OBTAINED.

Our People. Your Problem Solvers.

For more information on this process,
please call us at 203.756.5521 or email: techservice@hubbardhall.com

Hubbard-Hall holds certifications for **ISO 9001:2015**, Responsible Distribution, as accredited by the **ACD** (Alliance for Chemical Distributors) and as a **Women-Owned Small Business**, as well as maintaining an association with **Omni-Chem**¹³⁶.