

AquaPure™ CAL 100

Aquapure CAL 100 is a concentrated blended inorganic coagulant that offers excellent conditioning characteristics in a variety of wastewater. This product works very well for the removal of ortho and pyro-phosphates as well as fluoride that are generally present in alkaline cleaning and metal finishing wastewater.

Features & Benefits

Concentrated blend	Excellent for precipitating phosphates and fluorides
Liquid	Easy metering
Wide operating pH	Best used between a pH of 2.0 and 7.0

Physical Data

Appearance	Clear, Yellow solution
Weight per Gallon	13.015 lb
pH	2.0 – 5.0
Odor	Odorless

Typical Applications

- To be used for reduction and removal of ortho phosphates
- In wastewater where oil and grease are present
- Conditions wastewater thru ionic neutralization thus enhancing particle size
- Improves settling and filtration
- When used to remove fluoride pH should be kept in the 5.0 – 7.0 range

Operating Conditions

Aquapure CAL 100 is typically used full strength at 0.5 – 2.0 mL per gallon and can be metered in for ease of operation. In some cases where chelators are present higher doses are needed. Jar tests should be performed on site to determine optimum dosing. Aquapure CAL 100 can be added at any pH but most precipitation will take place at a pH



of 4.0 to 7.0 or greater.

Equipment

Storage tanks should be made of either high density polyethylene, cross linked polyethylene, rubber lined steel, or fiber glass.

Fittings for pumps and piping should be high density polyethylene.

Control Method

For solids where rare earth elements are present: EPA document 503B is a guide for disposal of solids using test methods listed in SW-846. This is a guide for using analytical methods to eliminate interferences from wavelengths that are nearly identical to the rare earth elements. A recognized example of an interference is for arsenic (As). Normally, the listed method is EPA 6010 (ICP-OES). However, due to the nearly identical wavelength emitted, SW-846 suggests using the alternate methods below:

1. ICP-MS (EPA method 6020B)
2. Graphite Furnace Atomic Absorption (GFAA) (EPA method 7010)

The 2 methods above are recommended and are the easiest and most common methods to use for the interference of arsenic.

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
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