

Chlorine Residual Test Kits

CNMI-DEQ Drinking Water Regulations, §1600.2(e) requires public water systems to measure residual disinfectant concentration with one of the analytical methods listed at 40 CFR §141.74(a)(2). The methods listed include titration methods and colorimetric methods. Facilities that do not have a laboratory will likely want to use a colorimetric method.

The Ace Hardware Pool and Spa Test Kit does not use one of the methods listed above, and it is not appropriate for testing chlorine residual for drinking water.



There are several chlorine residual test kits available that use the DPD Colorimetric method 4500-Cl G, that are affordable for small water systems.



One of the least expensive, approved test kits is manufactured by Hach, and is the Model CN-70, Chlorine (Free & Total) Test Kit, with Color Disc, and reagents for 100 tests. Product #1454200. Cost approximately \$75 not including shipping. Additional reagents can be ordered separately. Hach products are available from: Envirosource (A Division of Water & Ice Express), Guam; (671) 473-4374; fax (671) 473-4370; e-mail: johnlimtiaco@waterexpressguam.com or jenn_limtiaco@waterexpressguam.com

An approved test kit that is available on Saipan is from Japan Water Systems and currently sells for \$225. Instructions are in Japanese, but JWS provides a translated copy. (670) 322-8602.



If anyone is aware of other test kits that use approved methods that are available in the Marianas, please contact the DEQ Safe Drinking Water Program, and we will list the product in this information bulletin. Mention of a product here is not an endorsement of that product by the Division of Environmental Quality. This information is presented for the convenience of public water system operators in the CNMI.