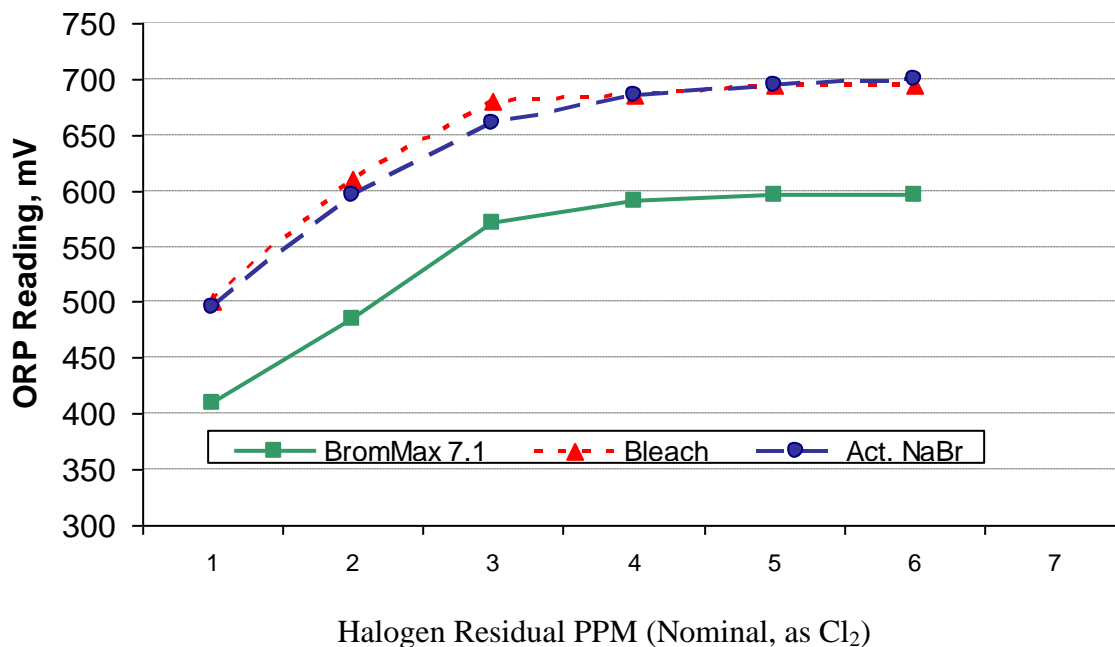


BromMax Stabilized Liquid Bromine : Monitoring and Controlling Residuals

Standard DPD test kits for total halogen are recommended for monitoring and controlling BromMax biocide residuals. Free halogen residuals, as chlorine, can also be measured using the DPD test if desired.

ORP analyzers can be difficult to use with any stabilized liquid bromine product. It is possible to monitor stabilized liquid bromine biocide residuals using ORP analyzers with the understanding that the stabilizers present in BromMax reduces ORP response, which results in lower millivolt readings than those typically observed for oxidizing biocides. It is recommended that the residuals be initially tracked using both DPD and ORP methods to establish a relationship between the two.

The graph below illustrates that significantly lower ORP readings are obtained from BromMax 7.1 when compared to bleach and activated sodium bromide.



It is important to note that the above data was gathered under laboratory conditions and the actual difference between the readings may vary depending on water chemistry, temperature, and condition, organic content, pH, presence of ammonia, type and age of ORP probe, etc. It is thus critical that the user determine the relationship between ORP readings and actual halogen residuals in their particular system.

Modified: 11/22/10