**JAR TEST WORKSHEET**

**Raw** NTU-\_\_\_\_\_\_\_\_\_\_\_\_\_ Raw Color-\_\_\_\_\_\_\_\_\_\_\_ pH-\_\_\_\_\_\_\_\_

Hardness-\_\_\_\_\_\_\_\_\_\_ Alkalinity-\_\_\_\_\_\_\_\_\_\_\_\_\_ Temp C-\_\_\_\_\_\_\_\_\_ UV254-\_\_\_\_\_\_\_\_\_\_\_\_

**TOF** NTU-\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Color-\_\_\_\_\_\_\_\_\_\_\_\_\_\_ pH-\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Combined BOF** NTU-\_\_\_\_\_\_\_\_\_ pH-\_\_\_\_\_\_\_\_\_\_\_

**Finished**-NTU-\_\_\_\_\_\_\_\_\_\_ Color-\_\_\_\_\_\_\_\_\_\_ Hardness-\_\_\_\_\_\_\_\_\_\_\_ Alkalinity-\_\_\_\_\_\_\_\_\_\_\_\_

Temp C-\_\_\_\_\_\_\_\_

**Date:**\_\_\_\_\_\_\_\_\_\_\_\_\_

Step #1 – Fill jars to the 1 Liter or 2 Liter line with Raw Water. (Find out if any chemical is added to sample; ie Permanganate, pre-chlorine, etc)

Jar # - #1 #2 #3 #4 #5

Step #2 – Enter desired coagulant or pre-oxidant dosage to test all jars.

PPM - \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_

Step #3 - Calculate dosage for each jar. (PPM/SG X 2, if in 2 Liter jar) (PPM/SG, if in 1 Liter jar) = Dosage (ul) in microsyringe.

Step #4 – Run Jar Tester @ RPM to simulate rapid mix. Speed\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Time\_\_\_\_\_\_\_\_\_

Step #5 – Decrease Jar Tester @ RPM to simulate flocculation. Speed\_\_\_\_\_\_\_\_\_\_\_ Time\_\_\_\_\_\_

Step #6 – Turn off mixing and allow to settle. Time\_\_\_\_\_\_\_\_\_\_\_

Step #7 – Collect sample from top of jar with 50ml syringe, place sample in turbidity vial and place into turbidity meter.

NTU - \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_

UV254 - \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_

% UV - \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_