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### **PROCEDURE TO CHECK NAOH STRENGTH**

Where C= weight of a 12 to 16 oz. container

W= weight of distilled water

T= weight of tartaric acid

1. Weigh a clean empty container (C) of 12 to 16 Fl. Oz. size to 3 decimal places.
2. Add about a cup of distilled water and record the new weight of container and water. (C+W)
3. Stir in and dissolve about 1/4 teaspoon of tartaric acid. Mix well. Weigh the container again. (C+W+T) Subtracting the weight of container (C) gives the weight of the water solution of tartaric acid (W+T). Subtracting the weight of container and water (C+W) from (C+W+T) gives the weight of tartaric acid added.
4. The weight of tartaric acid (T) divided by the wight of the solution (W+T) multiplied by 100% gives the weight percent of tartaric acid in the water. Acid testing 15 ml. of this solution with normal test procedure should yield an answer close to that calculated as below.

$$\text{Percent acid} = T \text{ divided by } W+T \text{ times } 100\%$$