

**TURCO<sup>®</sup> 3878 LF- NC  
Control Method**

**APPARATUS:**

1. 100 ml Pipette
2. 250 ml Beaker
3. 50 ml Burette
4. pH meter ( Optional )

**REAGENTS:**

1. Sulphuric Acid, 1.0 N (Normal)
2. Methyl Orange Indicator, 0.1% Water solution.

**PROCEDURE:**

1. Obtain a sample from the bath and allow cooling to room temperature.
2. Pipette 100 ml sample into a beaker.
3. Add 3-5 drops of methyl orange indicator.
4. Titrate with 1.0 N sulphuric acid (Warning! Wear protective Equipment, See MSDS), until colour changes from yellow to light pink. If a pH meter is available titrate to pH 4.0.
5. Record number of ml of 1.0 N sulphuric acid used.

**CALCULATIONS:**

1. pH meter titration -  
(No. Of ml 1.0 N sulphuric acid) X 3,16= (v/v)% TURCO 3878 LF- NC.
2. Methyl Orange titration -  
(No. Of ml 1.0 N sulphuric acid) X 2,90= (v/v)% TURCO 3878 LF- NC.

**BATH MAINTENANCE:**

Add sufficient amount of TURCO 3878 LF- NC to bring the concentration within the recommended range.