

Turco 4181 Liquid Control Method

APPARATUS:

- Pipette, 25ml, 20ml
- Burette, 50ml
- Volumetric Flask, 250ml
- Beaker, 250ml
- pH meter

REAGENTS:

- Standard Sulphuric Acid 1,0N

PROCEDURE:

- Obtain a sample from the tank and allow to cool to room temperature.
- Pipette 25ml of the sample into a 250ml volumetric flask and dilute to the mark.
- Mix well and pipette 20ml of the diluted sample into a 250ml beaker add 100ml Demi-water.
- Titrate to pH 11,4 with 1,0N Sulphuric Acid.

CALCULATION:

$$V \times C_{H_2SO_4} \times 7,04 = C_{4181L}$$

- C_{4181L} = Turco 4181 L Content (v/v %)
- V = Volume 1,0N Sulphuric Acid titrated (ml)
- $C_{H_2SO_4}$ = Normality of Sulphuric Acid

