



Control Procedure for T 4215 NC LT

Apparatus

- 100 ml Graduated cylinder
- 300 ml Erlenmeyer
- Buret
- Dropper bottle for indicator
- pH meter
- Magnetic stirrer

Reagents

- 1,0 N sulphuric acid
- Methyl orange indicator solution

Procedure

- Transfer 100 ml of sample by means of the graduated cylinder into the erlenmeyer
- (If pH meter is not available add 3 drops of methyl orange indicator)
- Titrate with 1,0 N sulphuric acid to pH 4,3 or end point (orange)

Calculation

$$V_{\text{H}_2\text{SO}_4} * 2,4 = \text{g T 4215 NC LT /litre}$$

- $V_{\text{H}_2\text{SO}_4}$ = Volume sulphuric acid added to solution (ml)

Maintenance

Maintain bath concentration within recommended range by adding fresh materials
Use the following formulation to calculate the amount of material that has to be added:

$$(C_{\text{demanded}} - C_{\text{current}}) * V_{\text{tank}} = M_{\text{TURCO 4215 NC LT}}$$

- C_{demanded} = Required tank concentration in g/l
- C_{current} = Determined current tank concentration in g/l
- V_{tank} = Volume of the process tank in l
- $M_{\text{TURCO 4215 NC LT}}$ = Amount of TURCO 4215 NC LT in g

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