



FREE SO₂ BY RIPPER METHOD

Equipment

- 25mL Serological Pipet
- 5mL Dispenser (for H₂SO₄) [Repipet or equivalent]
- Squeeze bottle (for starch indicator)
- 250mL Erlenmeyer Flasks
- 10mL Buret Assembly
- Pipet Safety bulb

Reagents

- 1% Starch Indicator
- 1+3 Sulfuric Acid CAUTION: CORROSIVE
- 0.02N lodine **

Procedure

- Pipet 25mL of sample into the Erlenmeyer flask. Add 1mL starch indicator.
- Add 5mL Sulfuric acid and immediately titrate with 0.02N lodine to a blue color that lasts for 30 seconds.
- (If doing more than one sample, add sulfuric acid to each flask just before titrating.)

Calculations (for 25 mL sample)

Free SO₂ (ppm) = $N I_2 x mL I_2 x 1280$

Note: If \underline{N} of l_2 is 0.02, then Free SO_2 (ppm) = $mL l_2 \times 25.6$

Notes

- ** Standardize Iodine frequently.
- For sparkling wines, substitute a 25 mL glass graduated cylinder for the 25 mL pipet to minimize degassing.

Disposal

Add approximately 5mL of Kolor-Safe Acid Neutralizer and discard with water in sink.

The indications supplied are based on our current knowledge and experience, but do not relieve the user from adopting the necessary safety precautions or from the responsibility of using the product(s) properly.

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