



AMMONIUM SULFATE

Add 0.25 mL filtrate to the 100 mL graduated cylinder. Dilute with distilled water to the 100 mL mark. Cover with palm of hand and invert cylinder several times. From this 100 mL solution pipette 1.0 mL to the 10 mL graduated cylinder. Dilute to the 10 mL mark with distilled water. Invert the cylinder several times.

TEST PROCEDURES

Fill one tube to white line with this solution. Fill other tube to white line with distilled water.

1. Add 3 drops Nessler solution to each tube. Swirl. Allow 10 minutes for color development.
2. Insert the filtrate containing tube in the right opening in the top of the color comparator.
3. Insert the distilled water sample in the left opening in the top of the color comparator.
4. Hold the color comparator up to a light such as the sky (preferable), a window or lamp and view through the two openings in the front. Rotate the color disc until a color match is obtained. Read the number in the scale window.

CALCULATIONS

kg/m³ ammonium sulfate (NH₄)₂SO₄ = 19 X number in scale window