



Method Abstract #64 Ammonia by pH Titration

Scope and Application This method determines the concentration of ammonia in water samples. It conforms to no known method. Method Summary This method requires sodium hydroxide to be added to the sample to reach a pH of 12 to ensure that all ammonium is converted to ammonia. The sample is then titrated with sulfuric acid to a pH of 3.0. The concentration

of ammonia is then calculated and reported.



*This measuring range was determined by analyzing laboratory-prepared standards formulated from ammonium chloride. The measuring range may be increased by using larger-capacity analysis vessels and/or auto-dilution.

**The Method Detection Limit (MDL) was determined based on data obtaining a coefficient of variance better than 30%. Results may differ depending on laboratory practices and sample matrix.

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