

1936

Phosphotungstic Acid as a Test for Potassium in Qualitative Analysis

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Recommended Citation

Miller, S. Porter (1936) "Phosphotungstic Acid as a Test for Potassium in Qualitative Analysis," *Proceedings of the Iowa Academy of Science*, 43(1), 179-179.
Available at: <https://scholarworks.uni.edu/pias/vol43/iss1/37>

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THE SYSTEM POTASSIUM CHLORIDE-ACETAMIDE

DONALD A. STOOKEY AND BEN H. PETERSON

The freezing point curve of acetamide solutions of potassium chloride is determined up to saturation at the freezing point.

DEPARTMENT OF CHEMISTRY,
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PHOSPHOTUNGSTIC ACID AS A TEST FOR POTASSIUM IN QUALITATIVE ANALYSIS

S. PORTER MILLER

When a potassium salt is added to a solution of phosphotungstic acid a characteristic dense, white, difficultly filterable precipitate is formed. The test is as sensitive as any of the tests commonly used; one cc. of a ten percent solution will give an easily distinguishable precipitate with lcc. of 0.02 M potassium chloride. Ammonium, which also forms a very insoluble compound, interferes, and must first be removed.

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