

Phosphorus

Phosphorus was performed on a Hitachi Model 737 multichannel analyzer (Roche Diagnostics, Indianapolis, IN).

Inorganic phosphorus reacts with ammonium molybdate in an acidic solution to form ammonium phosphomolybdate with a formula of $(\text{NH}_4)_3[\text{PO}_4(\text{MoO}_3)_{12}]$. The ammonium phosphomolybdate is quantified in the ultraviolet range (340 nm), through the use of a sample-blanked endpoint method.

-from *Laboratory Procedures Used for the Third National Health and Nutrition Examination Survey (NHANES III) 1988-1994*
Elaine W. Gunter, Brenda G. Lewis, and Sharon M. Koncikowski, 1996