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ACCREDITATION / REGISTRATION

Inorganic Ventures is an ISO 9001 registered manufacturer (Amtivo Certificate Number 274357).

DISCRETE ANALYZER REAGENT Potassium antimonyl tartrate / Ammonium molybdate / Sulfuric acid solution

Catalog No: **SEALAnalyticalAQPO4 Color RGT**
Lot No: X2-DA764658

Starting Material: Potassium antimonyl tartrate
Starting Material Lot No: IV-2585

Starting Material: Ammonium molybdate
Starting Material Lot No: IV-3003

Starting Material: Sulfuric acid
Starting Material Lot No: IV-2885

NOMINAL CONCENTRATION: 0.225 g/L Potassium antimonyl tartrate / 8.8 g/L Ammonium molybdate / 3.25 N Sulfuric acid

This solution is a reagent and is not intended to be used as a certified reference material.

PREPARATION

This reagent solution is ready to use without further preparation for analyzing o-Phosphate in water utilizing discrete analyzer methods based on method chemistry described in SEAL Method EPA-118-D Rev. 1. Figure 1 demonstrates an o-Phosphate calibration curve generated on a SEAL AQ400 discrete analyzer using this lot of reagent in combination with the additional IV method reagent(s):

SEALAnalyticalAQPO4 Ascorbic

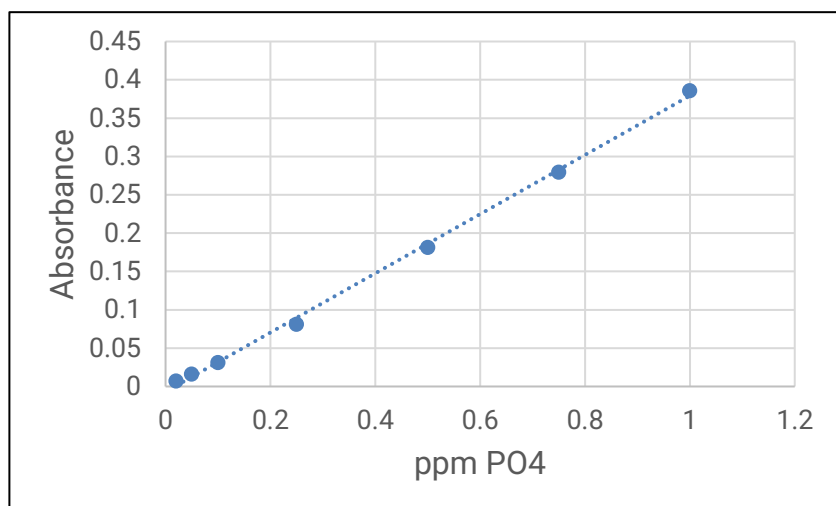


Figure 1: Correlation Coefficient = 0.9991 / Polynomial Order = 1

Concentration	Result
0.02	0.0073
0.05	0.0162
0.10	0.0313
0.25	0.0813
0.50	0.1814
0.75	0.2797
1.00	0.3858

INSTRUCTIONS FOR THE CORRECT USE OF THIS REAGENT

STORAGE AND HANDLING

Store refrigerated at $4^{\circ} \pm 2^{\circ}$ C while in sealed TCT bag. After opening the sealed TCT bag keep cap tightly sealed when not in use. Continue to store bottle at $4^{\circ} \pm 2^{\circ}$ C when not in use. Allow for reagent to reach room temperature and shake well before use.

Loss of method sensitivity and/or reagent discoloration has been observed when not following the recommended storage conditions.

BEST PRACTICES

Do not return removed aliquots of the reagent back to the container. Do not mix different lot numbers of the same reagent during sample analysis. A fresh calibration should be performed after refilling reagents.

Certification Date: 08/18/2026

Prepared By:



Approved By:



Expiration Date: 08/18/2028

Certifying Officer:

