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## **ACCREDITATION / REGISTRATION**

Inorganic Ventures is an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

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

Catalog No: DA-PO4-COLOR  
Lot No: T2-DA728144

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

Starting Material: Ammonium molybdate  
Starting Material Lot No: IV-2589

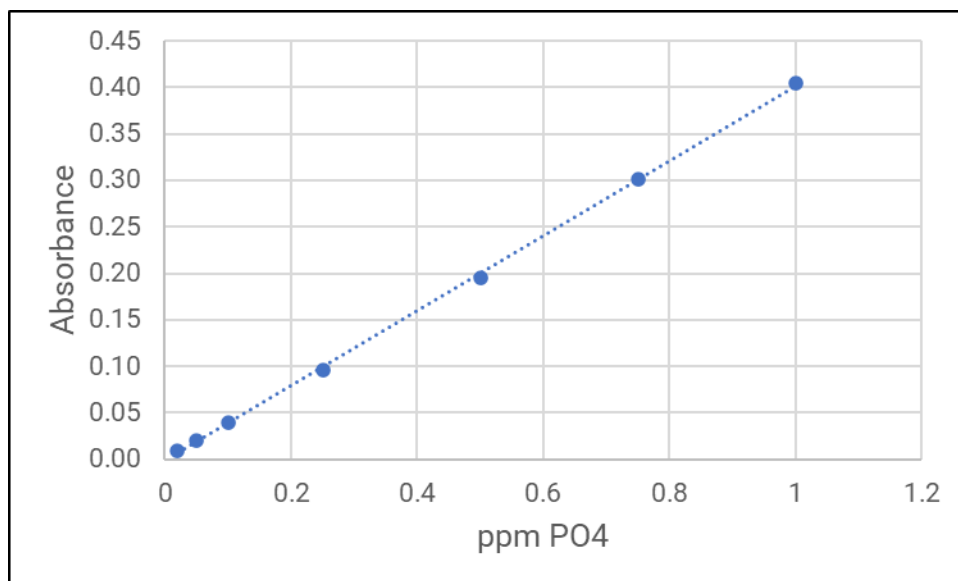
Starting Material: Sulfuric acid  
Starting Material Lot No: IV-2593

**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 EPA Method 365.1. Figure 1 demonstrates a 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): DA-PO4-ASCORBIC



**Figure 1:** Correlation Coefficient = 0.9997 / Polynomial Order = 1

Concentration	Result	Acceptance Limits
0.02	0.0095	0.0056 – 0.0112
0.05	0.0209	0.0122 – 0.0245
0.10	0.0400	0.0236 – 0.0473
0.25	0.0966	0.0608 – 0.1213
0.50	0.1956	0.1276 – 0.2126
0.75	0.3008	0.2017 – 0.3361
1.00	0.4042	0.2635 – 0.4391

**STORAGE AND HANDLING**

Store refrigerated at 4° 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° C when not in use. Do not return removed aliquots to container. Allow for reagent to reach room temperature and shake well before use.

Certification Date: 01/04/2023

Prepared By: *Uyen Truong*

Approved By: *Michael Z Booth*

Expiration Date: 06/04/2023

Certifying Officer: *Paul R. Gaines*