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ACCREDITATION / REGISTRATION

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

DISCRETE ANALYZER REAGENT Ammonium molybdate solution

Catalog No: **SEALAnalyticalAQSiO2-Molybdate**
Lot No: X2-DA763191

Starting Material: Ammonium molybdate
Starting Material Lot No: IV-2889

NOMINAL CONCENTRATION: 100 g/L Ammonium molybdate / pH adjusted with Ammonium hydroxide

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 Silica in water utilizing discrete analyzer methods based on method chemistry described in SEAL Method EPA-121-C Rev. 2A. Figure 1 demonstrates a Silica calibration curve generated on a SEAL AQ400 discrete analyzer using this lot of reagent in combination with the additional IV reagent(s): **SEALAnalyticalAQSiO2-OxalicAcid**.

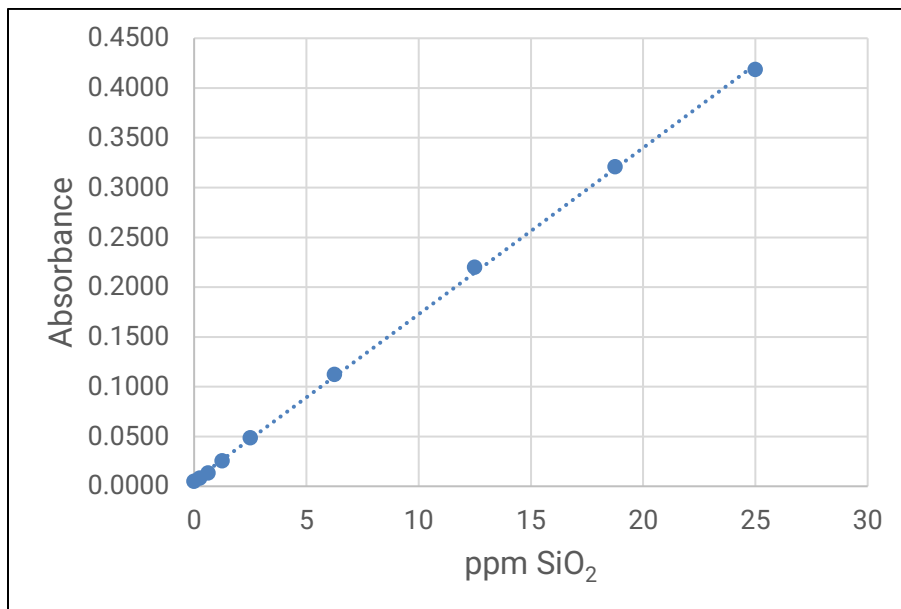


Figure 1: Correlation Coefficient = 0.9998 / Polynomial Order = 1

Concentration	Result
0.25	0.0083
0.625	0.0134
1.25	0.0254
2.50	0.0487
6.25	0.1123
12.5	0.2201
18.75	0.3210
25.0	0.4187

INSTRUCTIONS FOR THE CORRECT USE OF THIS REAGENT

STORAGE AND HANDLING

Store refrigerated at 4° C +/- 2° 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 +/- 2° C when not in use. Do not return removed aliquots to container. 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: 06/18/2026

Prepared By:



Expiration Date: 06/18/2028

Approved By:



Certifying Officer:

