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Certificate of Analysis

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ACCREDITATION / REGISTRATION

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

DISCRETE ANALYZER REAGENT Hydrazine sulfate / Zinc (II) sulfate heptahydrate /
Copper (II) sulfate pentahydrate solution

Catalog No: **SEALAnalyticalAQNOx Hydrazine**
Lot No: X2-DA763568

Starting Material:	Hydrazine sulfate
Starting Material Lot No:	IV-2847

Starting Material:	Zinc (II) sulfate heptahydrate
Starting Material Lot No:	IV-2056

Starting Material:	Copper (II) sulfate pentahydrate
Starting Material Lot No:	IV-2840

NOMINAL CONCENTRATION: 1.875 g/L Hydrazine sulfate / 0.2 g/L Zinc (II) sulfate heptahydrate / 0.0125 g/L Copper (II) sulfate pentahydrate

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 Nitrate-N and Nitrite-N in water utilizing discrete analyzer methods based on method chemistry described in SEAL Method EPA-141-C Rev. 1A. Figure 1 demonstrates a Nitrate-N/Nitrite-N calibration curve generated on a SEAL AQ400 discrete analyzer using this lot of reagent in combination with the additional IV method reagent(s): **SEALAnalyticalAQNOx Hyd-Buffer** and **SEALAnalyticalAQNOx Hyd-Color**.

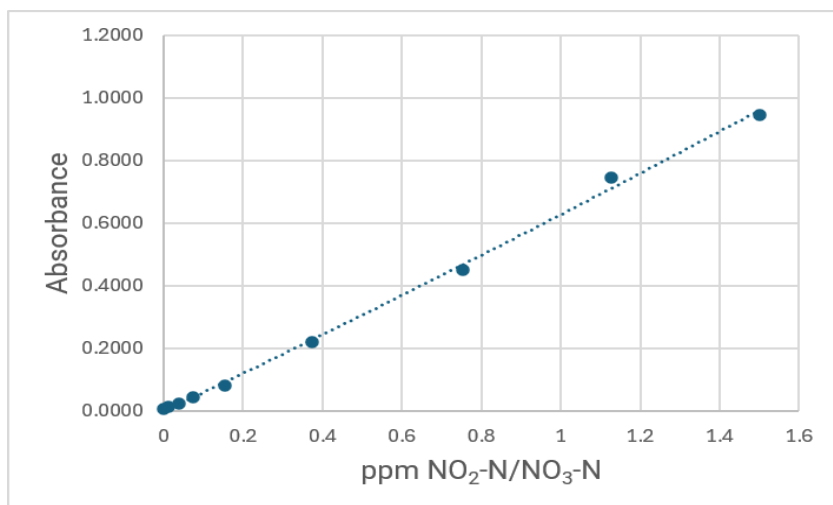


Figure 1: Correlation Coefficient = 0.9990 / Polynomial Order = 2

Concentration	Result
0.0133	0.0105
0.0400	0.0235
0.0733	0.0417
0.1533	0.0798
0.3733	0.2175
0.7533	0.4498
1.1267	0.7457
1.500	0.9447

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 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: 06/30/2026

Prepared By:

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Approved By:

Shalin Presgraves

Expiration Date: 12/30/2027

Certifying Officer:

Brian Alighetti