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ACCREDITATION / REGISTRATION

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

DISCRETE ANALYZER REAGENT Sodium hydroxide / Sodium phosphate dibasic heptahydrate solution

Catalog No: **SEALAnalyticalAQNOx Hyd-Buffer**
Lot No: X2-DA763567

Starting Material: Sodium hydroxide
Starting Material Lot No: IV-2438

Starting Material: Sodium phosphate dibasic heptahydrate
Starting Material Lot No: IV-1768

NOMINAL CONCENTRATION: 46 g/L Sodium hydroxide / 25 g/L Sodium phosphate dibasic heptahydrate

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 Hydrazine** and **SEALAnalyticalAQNOx Hyd-Color**.

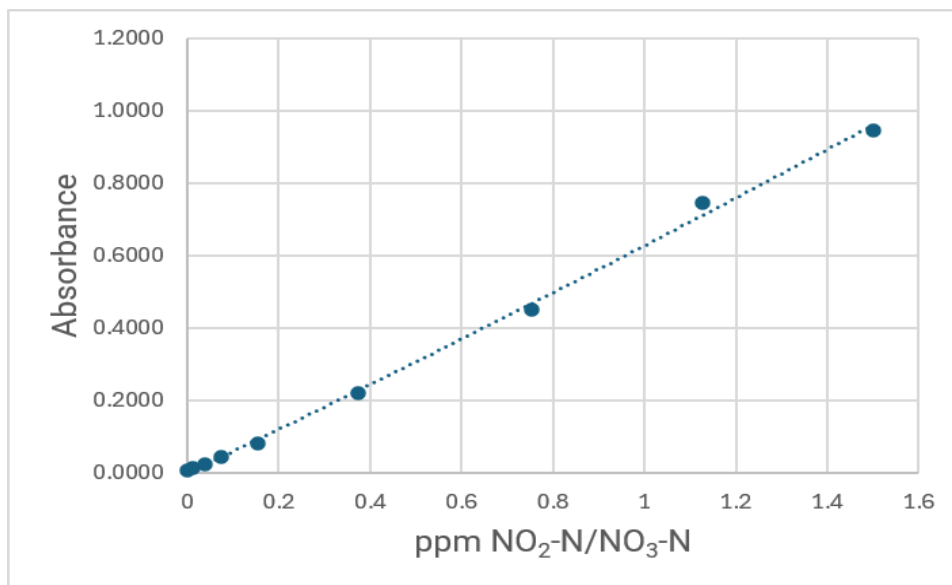


Figure 1: Correlation Coefficient = 0.9990 / Polynomial Order = 2

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:

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Expiration Date: 12/30/2027

Certifying Officer:

Brian Allyn