

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

ACCREDITATION / REGISTRATION

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

DISCRETE ANALYZER REAGENT Sodium salicylate / Sodium citrate dihydrate / Sodium nitroferricyanide dihydrate solution

Catalog No: DA-NH3-SALICYLATE
Lot No: U2-DA732331

Starting Material: Sodium salicylate
Starting Material Lot No: IV-2612

Starting Material: Sodium citrate dihydrate
Starting Material Lot No: IV-2073

Starting Material: Sodium nitroferricyanide dihydrate
Starting Material Lot No: IV-2613

NOMINAL CONCENTRATION: 130 g/L Sodium salicylate / 130 g/L Sodium citrate dihydrate / 0.972 g/L Sodium nitroferricyanide dihydrate

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 Ammonia in water utilizing discrete analyzer methods based on method chemistry described in ISO Method 15923-1. Figure 1 demonstrates an Ammonia calibration curve generated on a SEAL AQ400 discrete analyzer using this lot of reagent in combination with the additional IV method reagent(s): DA-NH3-DCI

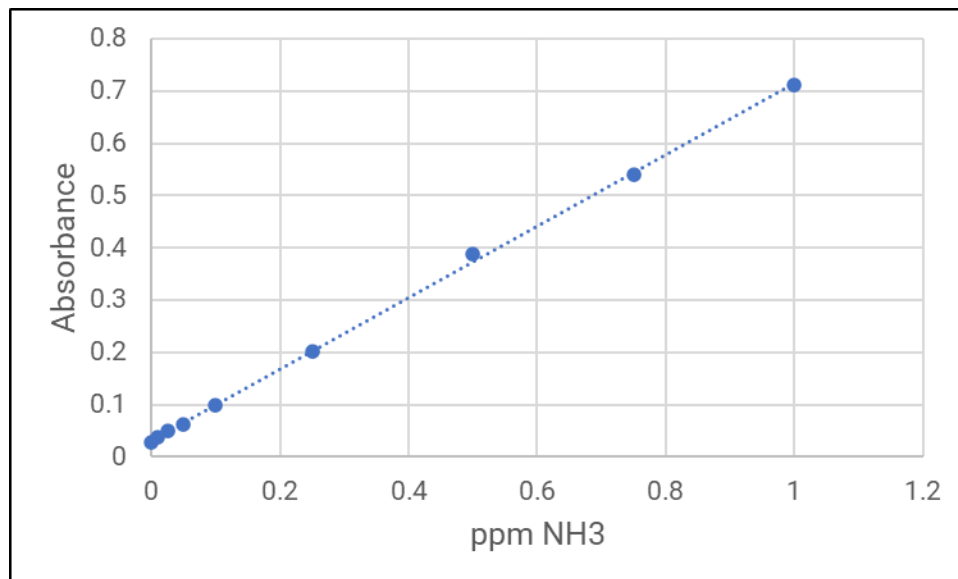


Figure 1: Correlation Coefficient = 0.9994 / Polynomial Order = 1

Concentration	Result	Acceptance Limits
0.01	0.0374	0.0262 – 0.0785
0.025	0.0495	0.0309 – 0.0928
0.05	0.0631	0.0574 – 0.0957
0.1	0.0996	0.0799 – 0.1332
0.25	0.2023	0.1670 – 0.2259
0.5	0.3892	0.2989 – 0.4043
0.75	0.5410	0.4236 – 0.5730
1	0.7113	0.5442 – 0.7363

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: 04/25/2023

Prepared By:

Uyen Truong

Approved By:

Michael Z Booth

Expiration Date: 01/25/2024

Certifying Officer:

Paul R. Gaines