INORGANIC VENTURES
Refine your results. Redefine your industry.

Certificate of Analysis

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 (Amtivo Certificate Number 274357).

DISCRETE ANALYZER REAGENT Mercuric thiocyanate / Ferric nitrate solution

Catalog No: DA-CL-COLOR
Lot No: X2-DA765387

Starting Material:	Mercury (II) thiocyanate
Starting Material Lot No:	IV-2911
Starting Material:	Iron (III) nitrate nonahydrate
Starting Material Lot No:	IV-2844 & IV-2912

NOMINAL CONCENTRATION: 0.6255 g/L Mercury (II) thiocyanate / 30.3 g/L Iron (III) nitrate nonahydrate

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 Chloride in water utilizing discrete analyzer methods based on method chemistry described in EPA Method 325.2. Figure 1 demonstrates a Chloride calibration curve generated on a SEAL AQ400 discrete analyzer using this lot of reagent.

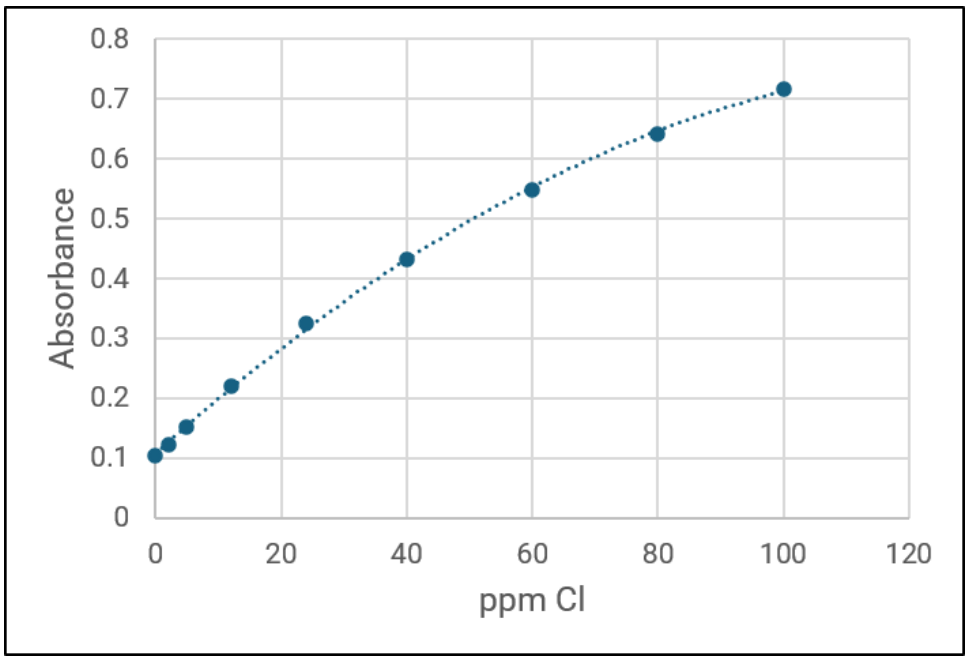

Figure 1: Correlation Coefficient = 0.9997 / Polynomial Order = 2

Concentration	Result	Acceptance Limits
2	0.1230	0.0850 – 0.1416
5	0.1518	0.1066 – 0.1776
12	0.2209	0.1570 – 0.2616
24	0.3255	0.2308 – 0.3846
40	0.4311	0.3058 – 0.5096
60	0.5481	0.3829 – 0.6381
80	0.6418	0.4446 – 0.7410
100	0.7168	0.4992 – 0.8320

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: 9/14/2026

Prepared By:

Approved By:

Expiration Date: 09/14/2028

Certifying Officer: