

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: **SEALAnalyticalAQChloride Rgt**

Lot No: X2-DA763036

Starting Material: Mercury (II) thiocyanate
Starting Material Lot No: IV-2628 AND IV-2911

Starting Material: Iron (III) nitrate nonahydrate
Starting Material Lot No: IV-2844

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 SEAL Method EPA-105-C Rev. 1. Figure 1 demonstrates a Chloride calibration curve generated on a SEAL AQ400 discrete analyzer using this lot of reagent.

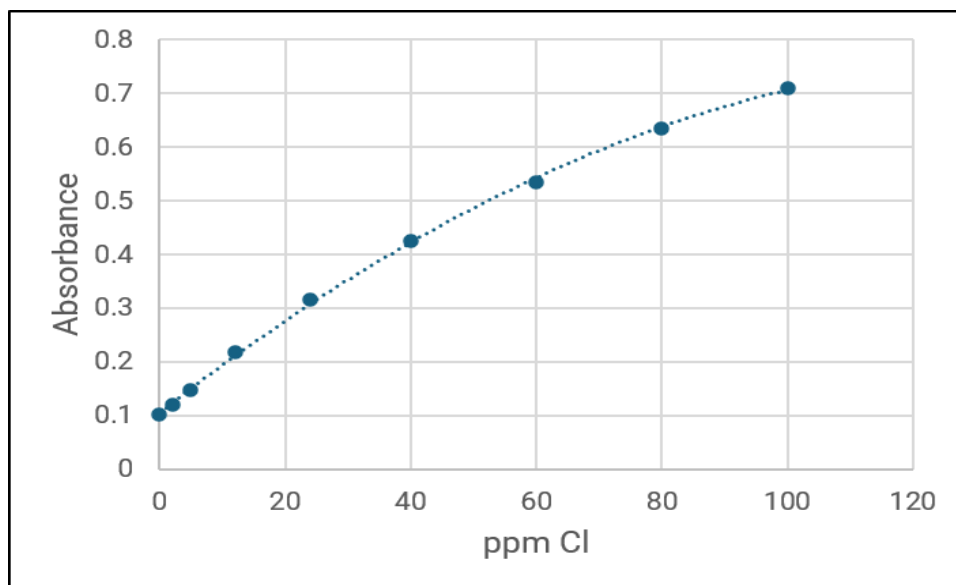


Figure 1: Correlation Coefficient = 0.9997 / Polynomial Order = 2

Concentration	Result
2	0.1198
5	0.1479
12	0.2170
24	0.3152
40	0.4246
60	0.5353
80	0.6347
100	0.7102

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: 06/08/2026

Prepared By:



Approved By:



Expiration Date: 06/08/2028

Certifying Officer:

