



**Aqua Solutions, Inc.**  
**6913 Highway 225**  
**Deer Park, TX, 77536**  
**281/479-2569**  
**Certificate of Analysis / QC Results**  
**Customer PO # :**

**Packaged Product:** ACB063  
 TITANOUS CHLORIDE 0.02 NORMAL SOLUTION (100ML)  
**Lot #** 4080502

**Chemical Product:** ACB063F  
 TITANOUS CHLORIDE 0.02 NORMAL SOLUTION

Test	Target/UOM	Range	Result
<b>PREPARED TO FORMULATION ON FILE</b>	YES		YES
Sample ID	YES		
Tested 08/05/24			
Tester MMAT			
Recorded 08/05/24			
<b>Actual Normality</b>	0.0200	0.0180 - 0.0220	0.0198
	EQ/L		
Sample ID			
Tested 08/05/24			
Tester MMAT			
Recorded 08/05/24			
<b>Actual Density</b>	1.00589	1.00123 - 1.01056	1.00755
	GM/ML		
Sample ID			
Tested 08/05/24			
Tester MMAT			
Recorded 08/05/24			
<b>QCSP25:STANDARDIZATION</b>	YES		YES
<b>TITANOUS CHLORIDE</b>	QCSP25		
Sample ID			
Tested 08/05/24			
Tester MMAT			
Recorded 08/05/24			
<b>APPEARANCE AND COLOR</b>	CLEAR PURPLE LIQUID APPEARANCE		PASS
Sample ID			
Tested 08/05/24			
Tester MMAT			
Recorded 08/05/24			
<b>INSTRUMENTS USED DURING PREPARATION</b>	INSTRUMENT		GC,M91,VF500-X34,M55,BID02 259
Sample ID			
Tested 08/05/24			
Tester MMAT			
Recorded 08/05/24			
<b>EXPIRATION DATE</b>	MM/DD/YY MM/DD/YYYY		08/19/24
Sample ID			
Tested 08/05/24			
Tester MMAT			
Recorded 08/05/24			



Aqua Solutions, Inc.  
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**Made** 08/05/24

This is to certify that the product listed above has been prepared according to the agreed upon formulation. The solutions producer has a Quality Management System which governs each step of the manufacturing process to insure the production of a consistent product. Traceability from the producer's lot numbers to the original manufacturer's lot number is maintained. Certificates of Analysis for the raw materials used to prepare this product are available upon request.

The weights and/or volumes used to prepare this product are N.I.S.T. Traceable. All balances used in the preparation of product are calibrated daily against N.I.S.T. Traceable weights. The balances are maintained and serviced on a regular basis by an outside certified company. All volumetric glassware used is N.I.S.T. Traceable and certified as meeting Class A specifications.

Unless otherwise agreed to, all chemicals used in the preparation of this product are Reagent ACS grade.

**Quality Manager**