



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

<b>Packaged Product:</b> ERL237F			
TITANOUS CHLORIDE SOLUTION *MAKE FRESH*			
Test	Target/UOM	Range	Result
<b>PREPARED TO FORMULATION ON FILE</b>	YES		YES
Sample ID			
Tested 11/02/23			
Tester MHUS			
Recorded 11/02/23			
<b>NORMALITY TO 4 DEC PLACES</b>	0.0058	0.0050 - 0.0065	0.0058
	EQUIV/LITER		
Sample ID			
Tested 11/02/23			
Tester MHUS			
Recorded 11/02/23			
<b>Actual Density</b>	1.05259	1.04213 - 1.06305	1.05378
	GM/ML		
Sample ID			
Tested 11/02/23			
Tester MHUS			
Recorded 11/02/23			
<b>APPEARANCE AND COLOR</b>	CLEAR PURPLE LIQUID APPEARANCE		PASS
Sample ID			
Tested 11/02/23			
Tester MHUS			
Recorded 11/02/23			
<b>INSTRUMENTS USED DURING PREPARATION</b>	INSTRUMENT		GC,EF4-YK
Sample ID			
Tested 11/02/23			
Tester MHUS			
Recorded 11/02/23			
<b>EXPIRATION DATE</b>	MM/DD/YYYY		11/16/2023
	MM/DD/YYYY		
Sample ID			
Tested 11/02/23			
Tester MHUS			
Recorded 11/02/23			
<b>SHELF LIFE OF PRODUCT</b>	2 WEEKS		2 WEEKS
	TIME		
Sample ID			
Tested 11/02/23			
Tester MHUS			
Recorded 11/02/23			
<b>Lot #</b>	3103021		
<b>Made</b>	11/02/23		



Aqua Solutions, Inc.  
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Deer Park, TX 77536  
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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**