



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

<b>Packaged Product:</b> 5553			
MANGANESE STANDARD 1.0 PPM(mg/L) (NIST)			
Test	Target/UOM	Range	Result
<b>PREPARED TO FORMULATION ON FILE</b>	YES		YES
Sample ID	YES		
Tested 02/02/24			
Tester MMAT			
Recorded 02/02/24			
<b>CALCULATED PPM MANGANESE</b>	1.00	0.98 - 1.02	1.00
Sample ID	PPM (UG/ML)		
Tested 02/02/24			
Tester MMAT			
Recorded 02/02/24			
<b>APPEARANCE AND COLOR</b>	PASS		PASS
Sample ID	APPEARANCE		
Tested 02/02/24			
Tester MMAT			
Recorded 02/02/24			
<b>INSTRUMENTS USED DURING PREPARATION</b>	INSTRUMENT		P160,VF2-B14
Sample ID			
Tested 02/02/24			
Tester MMAT			
Recorded 02/02/24			
<b>EXPIRATION DATE</b>	MM/DD/YYYY		08/30/2024
Sample ID	MM/DD/YYYY		
Tested 02/02/24			
Tester MMAT			
Recorded 02/02/24			
<b>Lot #</b>	4020201		
<b>Made</b>	02/02/24		

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.