



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

Packaged Product: 1461			
BUFFER REFERENCE pH 4.0/CLEAR			
Test	Target/UOM	Range	Result
PREPARED TO FORMULATION ON FILE	YES		YES
Sample ID	YES		
Tested 04/12/23			
Tester LWIL			
Recorded 04/12/23			
PH OF PRODUCT/SOLUTION	4.008	3.998 - 4.018	4.008
	PH		
Sample ID			
Tested 04/12/23			
Tester LWIL			
Recorded 04/12/23			
QCSP 20 PH CALIBRATION METHODS	YES		YES
	METHOD		
Sample ID			
Tested 04/12/23			
Tester LWIL			
Recorded 04/12/23			
Actual Temp	25.0	24.0 - 26.0	25.0
	DEG C		
Sample ID			
Tested 04/12/23			
Tester LWIL			
Recorded 04/12/23			
pH Traceable to N.I.S.T. SRM'S	YES		YES
	YES		
Sample ID			
Tested 04/12/23			
Tester LWIL			
Recorded 04/12/23			
APPEARANCE AND COLOR	CLEAR LIQUID APPEARANCE		PASS
Sample ID			
Tested 04/12/23			
Tester LWIL			
Recorded 04/12/23			
INSTRUMENTS USED DURING PREPARATION	INSTRUMENT		M113,T-IX,M106
Sample ID			
Tested 04/12/23			
Tester LWIL			
Recorded 04/12/23			
PH NIST TRACEABLE TO SRM 189	YES		YES
	YES		
Sample ID			
Tested 04/12/23			
Tester LWIL			
Recorded 04/12/23			



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PH NIST TRACEABLE TO SRM 185	YES	YES
	YES	
Sample ID		
Tested	04/12/23	
Tester	LWIL	
Recorded	04/12/23	
NIST TRACEABLE TO SRM186I AND 186II	YES	YES
	YES	
Sample ID		
Tested	04/12/23	
Tester	LWIL	
Recorded	04/12/23	
PH NIST TRACEABLE TO SRM 187	YES	YES
	YES	
Sample ID		
Tested	04/12/23	
Tester	LWIL	
Recorded	04/12/23	
EXPIRATION DATE	MM/DD/YY	04/30/25
	MM/DD/YYYY	
Sample ID		
Tested	04/12/23	
Tester	LWIL	
Recorded	04/12/23	
SHELF LIFE OF PRODUCT	SHELF LIFE	2 YEARS
	TIME	
Sample ID		
Tested	04/12/23	
Tester	LWIL	
Recorded	04/12/23	
Lot #	3040460	
Made	04/12/23	

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