



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

Packaged Product: MAR77018064			
HYDROCHLORIC ACID REAGENT ACS (FS#A144C-212) (2.5L)			
Test	Target/UOM	Range	Result
ASSAY OF MATERIAL	36.5 - 38.0 % %		37.0%
Sample ID Tested 10/24/24 Tester TBUR Recorded 10/24/24			
APPEARANCE AND COLOR	CLEAR COLORLESS APPEARANCE		CLEAR, COLORLESS
Sample ID Tested 10/24/24 Tester TBUR Recorded 10/24/24			
ALUMINUM (AL) CONTENT	MAX 0.3 PPM PPM		<0.3 PPM
Sample ID Tested 10/24/24 Tester TBUR Recorded 10/24/24			
Ammonium (NH4)	MAX 3 PPM NH4		<3 PPM
Sample ID Tested 10/24/24 Tester TBUR Recorded 10/24/24			
ARSENIC CONTENT	MAX 0.005 PPM PPM		<0.005 PPM
Sample ID Tested 10/24/24 Tester TBUR Recorded 10/24/24			
BORON (B)	MAX 0.1 PPM BORON		<0.1 PPM
Sample ID Tested 10/24/24 Tester TBUR Recorded 10/24/24			
BROMIDE IN %	MAX 0.005% %BROMIDE		<0.005%
Sample ID Tested 10/24/24 Tester TBUR Recorded 10/24/24			
CALCIUM CONTENT	MAX 0.3 PPM PPM		<0.3 PPM
Sample ID Tested 10/24/24 Tester TBUR Recorded 10/24/24			



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CHROMIUM CONTENT	MAX 0.2 PPM PPM	<0.2 PPM
Sample ID		
Tested	10/24/24	
Tester	TBUR	
Recorded	10/24/24	
COLOR	MAX 10 APHA PT-CO	<10 APHA
Sample ID		
Tested	10/24/24	
Tester	TBUR	
Recorded	10/24/24	
COPPER (CU) CONTENT	MAX 0.1 PPM PPM	<0.1 PPM
Sample ID		
Tested	10/24/24	
Tester	TBUR	
Recorded	10/24/24	
EXTRACTABLE ORGANIC SUBSTANCES	PASSES TEST (ABOUT 5 PPM)	<5 PPM
Sample ID		
Tested	10/24/24	
Tester	TBUR	
Recorded	10/24/24	
CHLORINE COMPOUNDS (AS CL)	PASSES TEST (ABOUT 0.4 PPM) PPM	<0.4 PPM
Sample ID		
Tested	10/24/24	
Tester	TBUR	
Recorded	10/24/24	
GOLD (AU)	MAX 0.3 PPM PPM	<0.3 PPM
Sample ID		
Tested	10/24/24	
Tester	TBUR	
Recorded	10/24/24	
HEAVY METAL (AS PB)	MAX 0.1 PPM PPM	<0.1 PPM
Sample ID		
Tested	10/24/24	
Tester	TBUR	
Recorded	10/24/24	
IDENTIFICATION	PASSES TEST PASS	PASSES TEST
Sample ID		
Tested	10/24/24	
Tester	TBUR	
Recorded	10/24/24	



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IRON	MAX 0.1 PPM PPM	<0.1 PPM
Sample ID		
Tested	10/24/24	
Tester	TBUR	
Recorded	10/24/24	
LEAD (PB) CONTENT	MAX 0.1 PPM MG/L	<0.1 PPM
Sample ID		
Tested	10/24/24	
Tester	TBUR	
Recorded	10/24/24	
MAGNESIUM (MG) CONTENT	MAX 0.3 PPM PPM	<0.3 PPM
Sample ID		
Tested	10/24/24	
Tester	TBUR	
Recorded	10/24/24	
MANGANESE (MN) CONTENT	MAX 0.3 PPM %	<0.3 PPM
Sample ID		
Tested	10/24/24	
Tester	TBUR	
Recorded	10/24/24	
MERCURY (HG) CONTENT	MAX 5 PPB PPM	<5 PPB
Sample ID		
Tested	10/24/24	
Tester	TBUR	
Recorded	10/24/24	
NICKEL (NI) CONTENT	MAX 0.1 PPM PPM	<0.1 PPM
Sample ID		
Tested	10/24/24	
Tester	TBUR	
Recorded	10/24/24	
PHOSPHATE CONTENT	MAX 0.05 PPM PPM	<0.05 PPM
Sample ID		
Tested	10/24/24	
Tester	TBUR	
Recorded	10/24/24	
POTASSIUM CONTENT	MAX 0.3 PPM PPM	<0.3 PPM
Sample ID		
Tested	10/24/24	
Tester	TBUR	
Recorded	10/24/24	



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RESIDUE AFTER IGNITION	MAX 4 PPM %	<4 PPM
Sample ID		
Tested	10/24/24	
Tester	TBUR	
Recorded	10/24/24	
SODIUM CONTENT	MAX 0.3 PPM %	<0.3 PPM
Sample ID		
Tested	10/24/24	
Tester	TBUR	
Recorded	10/24/24	
SULFATE (SO4) CONTENT	MAX 0.5 PPM MG/KG	<0.5 PPM
Sample ID		
Tested	10/24/24	
Tester	TBUR	
Recorded	10/24/24	
SULFITE (SO3)	MAX 0.8 PPM PPM	<0.8 PPM
Sample ID		
Tested	10/24/24	
Tester	TBUR	
Recorded	10/24/24	
TIN (SN) CONTENT	MAX 0.3 PPM PPM	<0.3 PPM
Sample ID		
Tested	10/24/24	
Tester	TBUR	
Recorded	10/24/24	
TITANIUM (TI) CONTENT	MAX 0.3 PPM PPM	<0.3 PPM
Sample ID		
Tested	10/24/24	
Tester	TBUR	
Recorded	10/24/24	
ZINC (ZN) CONTENT	MAX 0.3 PPM PPM	<0.3 PPM
Sample ID		
Tested	10/24/24	
Tester	TBUR	
Recorded	10/24/24	

Lot # 429703

Made 10/23/24



Aqua Solutions, Inc.
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Date: 10/24/24 at 2:51 PM

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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