

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

Customer PO # :

Packaged Product:	ERL114A	λF'		
r ackaged r roudet.		UM HYDROXIDE 0.1 NORMA	L IN IPA	
Test		Target/UOM	Range	Result
PREPARED TO FORMU	LATION ON	YES		YES
FILE		YES		
Sample ID				
Tested	03/13/24			
Tester	AFRE			
Recorded	03/13/24			
SAMPLE COLLECTION	& HANDLING	YES		YES
PER LAB040		YES		
Sample ID				
Tested	03/13/24			
Tester	AFRE			
Recorded	03/13/24			
DATE OF SAMPLING FO	OR TEST	MM/DD/YYYY		03/13/2024
PURPOSES		MM/DD/YYYY		
Sample ID				
Tested	03/13/24			
Tester	AFRE			
Recorded	03/13/24			
AMBIENT TEMPERATU		25.0	10.0 - 35.0	20.0
SAMPLING DEGC		DEG C		_0.0
Sample ID		5200		
Tested	03/13/24			
Tester	AFRE			
Recorded	03/13/24			
DATE OF TESTING OF S		MM/DD/YYYY		03/13/2024
DATE OF TESTING OF 3	SAMPLE	MM/DD/YYYY		03/13/2024
O				
Sample ID	00/40/04			
Tested	03/13/24			
Tester	AFRE			
Recorded	03/13/24	20.0	15.0	20.0
AMBIENT TEST TEMPE	RATURE	20.0	15.0 - 30.0	20.0
DEG C		DEG C		
Sample ID				
Tested	03/13/24			
Tester	AFRE			
Recorded	03/13/24			0100000
LOT NUMBER OF ORIG	INAL	BULK LOT NUMBER		3122866
MATERIAL		LOT #		
Sample ID				
Tested	03/13/24			
Tester	AFRE			
Recorded	03/13/24			
Actual Normality		0.1000	0.0995 - 0.1005	0.0998
		EQ/L		
Sample ID				
Tested	03/13/24			
Tester	AFRE			
Recorded	03/13/24			



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Customer PO # :

Sample IDTested03/13/24TesterAFRERecordel03/13/24N.S.T. Traceable to SRM 84 (KHP)YESYESYESSample IDYESTested03/13/24Recordel03/13/24Recordel03/13/24APPEARANCE AND COLORCLEAR-SLIGHTLY HAZY LIQUID APPEARANCESample IDCLEAR-SLIGHTLY HAZY LIQUID APPEARANCESample IDSample IDTested03/13/24Recordel03/13/24Tested03/13/24Recordel03/13/24Tested03/13/24Recordel03/13/24Recordel03/13/24Recordel03/13/24Recordel03/13/24Sample IDINSTRUMENTSample IDNSTRUMENTSample IDNSTRUMENTSample IDMM/DD/YYYYSample IDSample IDMM/DD/YYYYSample IDSample IDMM/DD/YYYYSample IDSample IDMM/DD/YYYYSample IDSample ID <tr< th=""><th>Actual Density</th><th>0.79116 GM/ML</th><th>0.78994 - 0.79237 0.79105</th><th></th></tr<>	Actual Density	0.79116 GM/ML	0.78994 - 0.79237 0.79105	
N.I.S.T. Traceable to SRM 54 (KHP) YES YES YES Sample ID Tested 03/13/24 Tester AFRE Recorded 03/13/24 APPEARANCE AND COLOR CLEAR-SLIGHTLY HAZY LIQUID APPEARANCE Sample ID Tested 03/13/24 Tester AFRE Recorded 03/13/24 Tester AFRE	Tested 0 Tester A)3/13/24 AFRE		
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Tested 03/13/24 Tester AFRE Recorded 03/13/24 EXPIRATION DATE MM/DD/YYYY Sample ID Tested 03/13/24 Fester 03/13/24 Fester 03/26/2024 MM/DD/YYYY 03/26/2024 MM/DD/YYYY Sample ID Tested 03/13/24 Tester AFRE		INSTRUMENT		
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Recorded 03/13/24 EXPIRATION DATE MM/DD/YYYY Sample ID Tested 03/13/24 Tester AFRE				
EXPIRATION DATE MM/DD/YYYY 03/26/2024 MM/DD/YYYY MM/DD/YYYY Sample ID				
Tested 03/13/24 Tester AFRE		MM/DD/YYYY	03/26/2024	
Tester AFRE	Sample ID			
	Tested 0	03/13/24		
Recorded 03/13/24				
SHELF LIFE OF PRODUCT 1 WEEK 1 WEEK TIME 1	SHELF LIFE OF PRODUCT		1 WEEK	
Sample ID	-			
Tested 03/13/24				
Tester AFRE				
Recorded 03/13/24				
Lot # 4031113				
Made 03/13/24	Made 03/13/2	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.



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

hichard St

Quality Manager