

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

#### Customer PO # :

Packaged Product:	ERL114AF			
	POTASSIUN	A HYDROXIDE 0.1 NORMA	AL IN IPA	
Test		Target/UOM	Range	Result
PREPARED TO FORMUL	ATION ON	YES		YES
FILE		YES		
Sample ID				
Tested	12/08/23			
Tester	ENOR			
Recorded	12/08/23			
SAMPLE COLLECTION &		YES		YES
PER LAB040		YES		
Sample ID				
-	12/08/23			
	ENOR			
Recorded	12/08/23			
DATE OF SAMPLING FOR	R TEST	MM/DD/YYYY		12/08/2023
PURPOSES		MM/DD/YYYY		
Sample ID				
	12/08/23			
	ENOR			
	12/08/23			
AMBIENT TEMPERATUR		25.0	10.0 - 35.0	20.3
SAMPLING DEGC		DEG C		
Sample ID				
	12/08/23			
	ENOR			
	12/08/23			
DATE OF TESTING OF SA		MM/DD/YYYY		12/08/2023
		MM/DD/YYYY		12,00,2020
Sample ID				
	12/08/23			
	ENOR			
	12/08/23			
AMBIENT TEST TEMPER		20.0	15.0 - 30.0	20.0
DEG C	ATUNE	DEG C	13.0 - 30.0	20.0
		DEG C		
Sample ID Tested	10/00/00			
	12/08/23			
	ENOR 12/08/23			
Recorded		BULK LOT NUMBER		3111306
MATERIAL	NAL .	LOT #		0001116
		LOT #		
Sample ID	10/00/00			
	12/08/23			
	ENOR			
	12/08/23	0.1000	0.0005 0.1005	0.0005
Actual Normality		0.1000	0.0995 - 0.1005	0.0985
o		EQ/L		
Sample ID				
	12/08/23			
	ENOR			
Recorded	12/08/23			



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#### Customer PO # :

Sample ID Tested 12/08/23 Tester ENOR Recorded 12/08/23 US08/23 US08/25 US08/	Actual Density	0.79116 GM/ML	0.78994 - 0.79237	0.79165
YES Sample ID Tester 12/08/23 Tester 2007 APPEARANCE AND COL Becorded 12/08/23 Tester 2007 Tester 12/08/23 Tester 12/08/23 Tester 2007 Tester 2007 Test	Tested 12/08/23 Tester ENOR Recorded 12/08/23	}		VES
Sample ID Tested 12/08/23 Recorded 12/08/23 APPEARANCE AND COLV CLEAR-SLIGHTLY HAZY PASS APPEARANCE AND COLV CLEAR-SLIGHTLY HAZY APPEARANCE AND COLV APPEARANCE LIQUID APPEARANCE Sample ID Tested 12/08/23 INSTRUMENTS USED UNING LAB EQUIPMENT M55,BID08251,PIDM91,TID411 PREPARATON INSTRUMENT 21 Sample ID Tester ENOR Recorded 12/08/23 EXPIRATION DATE MM/DD/YYYY Sample ID Tester ENOR Recorded 12/08/23 EXPIRATION DATE MM/DD/YYYY Sample ID Tester ENOR Recorded 12/08/23 SHELF LIFE OF PROUV Sample ID Tester 12/08/23 SAMPLE ID Sample ID Tester ENOR Recorded 12/08/23 SAMPLE ID Sample ID Tester 2008/23 Tester ENOR Recorded 12/08/23 Tester 12/08/24 Tester 12/08/24 Tester 12/08/23 Tester 12/08/24 Test				fES
LIQUID APPEARANCE Sample U Tested 12/08/23 Tester ENOR Recorded 12/08/23 Tester IV Tested 12/08/23 Tester ENOR Recorded 12/08/23 Tester IV Tester IV	Tested 12/08/23 Tester ENOR Recorded 12/08/23	3		5400
Sample ID         Tested       12/08/23         Tester       ENOR         Recorded       12/08/23         INSTRUMENTS USED UNING       MS5,BID08251,PIDM91,TID411         PREPARATION       INSTRUMENT         Sample ID       Tester         Tester       12/08/23         Tester       ENOR         Recorded       12/08/23         Tester       ENOR         Recorded       12/08/23         Tester       ENOR         Recorded       12/08/23         Tester       ENOR         Recorded       12/08/23         Sample ID       MM/DD/YYYY         Sample ID       MM/DD/YYYY         Sample ID       MM/DD/YYY         Sample ID       Tester         Recorded       12/08/23         Stelf Life OF PRODUCT       1 WEEK         Time       1 WEEK         Sample ID       Tester         Tester       ENOR         Recorded       12/08/23         Tester       ENOR         Recorded       12/08/23         Tester       ENOR         Recorded       12/08/23         Tester       ENOR	APPEARANCE AND COLOR	LIQUID		PA55
Tested         12/08/23           Tester         ENOR           Recorded         12/08/23           INSTRUMENTS USE D FING         LAB EQUIPMENT           PREPARATION         INSTRUMENT           PREPARATION         INSTRUMENT           Sample ID         INSTRUMENT           Tested         12/08/23           Recorded         12/08/23           Recorded         12/08/23           Sample ID         MM/DD/YYYY           Sample ID         Tester           Sample ID         MM/DD/YYYY           Sample ID         MM/DD/YYYY           Sample ID         Tester           Tester         ENOR           Recorded         12/08/23           Shelf Life OF PROUT         1 WEEK           Time         1 WEEK           Tester         ENOR           Recorded         12/08/23           Tester         ENOR           Recorded         12/08/23           Tester         12/08/23           Tester         12/08/23           Tester         12/08/23           Tester         12/08/23           Tester         ENOR           Recorded         12/08/23	Sample ID			
Recorded       12/08/23         INSTRUMENTS USED       LAB EQUIPMENT       M55,BID08251,PIDM91,TID411         PREPARATION       INSTRUMENT       21         Sample ID       Tested       12/08/23         Recorded       12/08/23       12/08/23         Tested       12/08/23       12/19/2023         Recorded       12/08/23       12/19/2023         EXPIRATION DATE       MM/DD/YYYY       12/19/2023         Sample ID       Tested       12/08/23         Tested       12/08/23       12/08/23         Recorded       12/08/23       12/19/2023         Sample ID       Tested       12/08/23         Tested       12/08/23       12/08/23         SteLLF LIFE OF PROD FROD F       1 WEEK       1 WEEK         Time       1       1 WEEK         Tested       12/08/23       1 WEEK         Tested       12/08/23       1 WEEK         Time       1 WEEK       1 WEEK         Tested       12/08/23       1 WEEK         Tested       12/08/23       1 WEEK         Tested       12/08/23       1 WEEK         Tested       12/08/23       1 WEEK         Tested       12/08/24	-	8		
INSTRUMENTS USED J∪RING         LAB EQUIPMENT         M55,BID08251,PIDM91,TID411           PREPARATION         INSTRUMENT         21           Sample ID Tested         12/08/23 Tester         21           Recorded         12/08/23         21           EXPIRATION DATE         MM/DD/YYY         12/19/2023           EXPIRATION DATE         MM/DD/YYYY         12/19/2023           Sample ID Tested         12/08/23         12/19/2023           Stelf LIFE OF PRODUCT         1 WEEK         1 WEEK           Recorded         12/08/23         1 WEEK           Sample ID Tested         1 WEEK         1 WEEK           Recorded         1 2/08/23         1 WEEK           Sample ID Tested         1 2/08/23         1 WEEK           LIF         TIME         1 WEEK           Sample ID Tested         1 2/08/23         1 WEEK           Time         1 WEEK         TIME           Sample ID Tested         1 2/08/23         1 WEEK           Tester         ENOR Recorded         1 2/08/23           Tester         ENOR Recorded         1 2/08/23           Tester         ENOR         1 2/08/23           Tester         ENOR         1 2/08/23           Tes				
PREPARATION         INSTRUMENT         21           Sample ID Tester         12/08/23				
Sample ID         Tested       1/08/23         Tester       ENOR         Recorded       12/08/23         EXPIRATION DATE       MM/DD/YYYY         Sample ID       12/19/2023         Tester       ENOR         Recorded       12/08/23         Tester       ENOR         Recorded       12/08/23         SheLF LIFE OF PRODUCT       1 WEEK         Tester       ENOR         Sample ID       1 WEEK         Tested       12/08/23         SheLF LIFE OF PRODUCT       1 WEEK         Time       1 WEEK         Sample ID       1 WEEK         Tested       12/08/23         Tester       ENOR         Recorded       12/08/23         Tester       ENOR         Recorded       12/08/23         Tester       ENOR         Recorded       12/08/23				
Tested       12/08/23         Tester       ENOR         Recorded       12/08/23         EXPIRATION DATE       MM/DD/YYYY         MM/DD/YYYY         Sample ID         Tester       ENOR         Recorded       12/08/23         Tester       ENOR         Recorded       12/08/23         SHELF LIFE OF PRODUCT       1 WEEK         TiME         Sample ID         Tested       12/08/23         Shelf F LIFE OF PRODUCT       1 WEEK         TiME         Sample ID         Tested       12/08/23         Tester       ENOR         Recorded       12/08/23         Tester       ENOR         Recorded       12/08/23         Tester       ENOR         Recorded       12/08/23         Tester       ENOR         Recorded       12/08/23		INSTRUMENT		21
Tester         ENOR           Recorded         12/08/23           EXPIRATION DATE         MM/DD/YYYY           Sample ID         MM/DD/YYYY           Tested         12/08/23           Tester         ENOR           Recorded         12/08/23           SHELF LIFE OF PRODUCT         1 WEEK           Time         1 WEEK           Sample ID         1 WEEK           Tested         12/08/23           SHELF LIFE OF PRODUCT         1 WEEK           Time         1 WEEK           Sample ID         1 WEEK           Tested         12/08/23           Tester         ENOR           Recorded         12/08/23           Tester         ENOR           Recorded         12/08/23           Tester         ENOR           Recorded         12/08/23	· · · · · · · · · · · · · · · · · · ·			
Recorded       12/08/23         EXPIRATION DATE       MM/DD/YYYY         Sample ID       MM/DD/YYYY         Tested       12/08/23         Tester       ENOR         Recorded       12/08/23         SHELF LIFE OF PRODUCE       1 WEEK         Tested       12/08/23         Sample ID       1 WEEK         Recorded       12/08/23         Sample ID       Time         Sample ID       Time         Sample ID       Time         Sample ID       Time         Recorded       12/08/23         Tester       ENOR         Recorded       12/08/23         Tester       ENOR         Recorded       12/08/23				
EXPIRATION DATE MM/DD/YYYY MM/DD/YYYY Sample ID Tested 12/08/23 Tester ENOR Recorded 12/08/23 SHELF LIFE OF PRODUCT Sample ID Tested 12/08/23 Tester ENOR Recorded 12/08/23 Tester ENOR				
Tested       12/08/23         Tester       ENOR         Recorded       12/08/23         SHELF LIFE       OF PRODU         Sample ID       1 WEEK         Tested       12/08/23         Tester       ENOR         Recorded       12/08/23         Tester       ENOR         Recorded       12/08/23		MM/DD/YYYY		12/19/2023
Tested       12/08/23         Tester       ENOR         Recorded       12/08/23         SHELF LIFE       OF PRODU         Sample ID       1 WEEK         Tested       12/08/23         Tester       ENOR         Recorded       12/08/23         Tester       ENOR         Recorded       12/08/23	Sample ID			
Recorded 12/08/23   SHELF LIFE OF PRODUCT   1 WEK   TIME   Sample ID   Tested 12/08/23   Tester ENOR   Recorded 12/08/23	-	3		
SHELF LIFE OF PRODUCT     1 WEEK     1 WEEK       Time     1 WEEK     1 WEEK       Sample ID     12/08/23     12/08/23       Tester     ENOR     12/08/23       Recorded     12/08/23     12/08/23	Tester ENOR			
TIME         Sample ID         Tested       12/08/23         Tester       ENOR         Recorded       12/08/23				
Tested         12/08/23           Tester         ENOR           Recorded         12/08/23           Lot #         3120408	SHELF LIFE OF PRODUCT			1 WEEK
Tester ENOR Recorded 12/08/23	-			
Recorded 12/08/23		8		
Lot # 3120408				
		3		
Made 12/08/23				
	Made 12/08/23			

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.



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

hickard St

**Quality Manager**