



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

Packaged Product: EXX288F			
Sprayberry Field Brine Location 514769(0.2 uM Filtered)			
Test	Target/UOM	Range	Result
PREPARED TO FORMULATION ON FILE	YES		YES
Sample ID			
Tested 08/29/24			
Tester BFRA			
Recorded 08/29/24			
CALCULATED PPM IRON (FE)	1.26 PPM	1.24 - 1.28	1.26
Sample ID			
Tested 08/29/24			
Tester BFRA			
Recorded 08/29/24			
CALCULATED PPM MANGANESE	1.05 PPM (UG/ML)	1.03 - 1.07	1.05
Sample ID			
Tested 08/29/24			
Tester BFRA			
Recorded 08/29/24			
CALCULATED PPM BARIUM	2.79 MG/L	2.76 - 2.82	2.79
Sample ID			
Tested 08/29/24			
Tester BFRA			
Recorded 08/29/24			
Calculated ppm Strontium (Sr)	625 PPM (MG/L)	622 - 628	625
Sample ID			
Tested 08/29/24			
Tester BFRA			
Recorded 08/29/24			
CALCULATED PPM CALCIUM	3250 MG/L	3230 - 3270	3250
Sample ID			
Tested 08/29/24			
Tester BFRA			
Recorded 08/29/24			
Calculated ppm Magnesium (Mg)	599 PPM (MG/L)	595 - 604	599
Sample ID			
Tested 08/29/24			
Tester BFRA			
Recorded 08/29/24			
CALCULATED PPM SODIUM (NA)	38891 PPM	38000 - 39041	38300
Sample ID			
Tested 08/29/24			
Tester BFRA			
Recorded 08/29/24			



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Calculated ppm (mg/L) Potassium (K)	498 PPM (MG/L)	494 - 503	498
Sample ID			
Tested	08/29/24		
Tester	BFRA		
Recorded	08/29/24		
CALCULATED PPM BORON	57.7 PPM	57.0 - 58.4	57.7
Sample ID			
Tested	08/29/24		
Tester	BFRA		
Recorded	08/29/24		
Calculated ppm (mg/L) Lithium (Li)	25.0 PPM (MG/L)	24.7 - 25.3	25.0
Sample ID			
Tested	08/29/24		
Tester	BFRA		
Recorded	08/29/24		
CALCULATED PPM SILICON (SI)	14.1 MG/L	13.7 - 14.5	14.1
Sample ID			
Tested	08/29/24		
Tester	BFRA		
Recorded	08/29/24		
Alkalinity as HCO₃ (Bicarbonate)	317.2 MG/L	316.8 - 317.7	317.2
Sample ID			
Tested	08/29/24		
Tester	BFRA		
Recorded	08/29/24		
Calculated Bromide (Br)	514 PPM (MG/L)	511 - 517	514
Sample ID			
Tested	08/29/24		
Tester	BFRA		
Recorded	08/29/24		
CALCULATED PPM SULFATE	628 PPM	624 - 632	628
Sample ID			
Tested	08/29/24		
Tester	BFRA		
Recorded	08/29/24		
Calculated ppm w/v Chloride	67314 PPM W/V	67114 - 67514	67314
Sample ID			
Tested	08/29/24		
Tester	BFRA		
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CALCULATED PPM SODIUM (NA)	38891	38691 - 39091	38891
	PPM		
Sample ID			
Tested	08/29/24		
Tester	BFRA		
Recorded	08/29/24		
Calculated Total Dissolved Solids (TDS)	112276	111276 - 113276	112276
	MG/L		
Sample ID			
Tested	08/29/24		
Tester	BFRA		
Recorded	08/29/24		
PH OF PRODUCT/SOLUTION	7.000	4.000 - 10.000	7.289
	PH		
Sample ID			
Tested	08/29/24		
Tester	BFRA		
Recorded	08/29/24		
Actual Density	1.05000	1.00000 - 1.25000	1.07715
	GM/ML		
Sample ID			
Tested	08/29/24		
Tester	BFRA		
Recorded	08/29/24		
SPECIFIC GRAVITY	1.020	1.000 - 1.250	1.080
	SPEC GRAV		
Sample ID			
Tested	08/29/24		
Tester	BFRA		
Recorded	08/29/24		
FILTERED THROUGH A 0.2 UM FILTER	YES		YES
	YES		
Sample ID			
Tested	08/29/24		
Tester	BFRA		
Recorded	08/29/24		
APPEARANCE AND COLOR	CLEAR LIQUID APPEARANCE		PASS
Sample ID			
Tested	08/29/24		
Tester	BFRA		
Recorded	08/29/24		
INSTRUMENTS USED DURING PREPARATION	INSTRUMENT	M108,M81,T-246,M112,M114,M106	
Sample ID			
Tested	08/29/24		
Tester	BFRA		
Recorded	08/29/24		



Aqua Solutions, Inc.
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Customer PO # :

EXPIRATION DATE	MM/DD/YYYY	08/30/2026
	MM/DD/YYYY	
Sample ID		
Tested	08/29/24	
Tester	BFRA	
Recorded	08/29/24	
Lot #	4082101	
Made	08/29/24	

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.

Quality Manager