



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

**Packaged Product:** S2924-200L  
 SODIUM HYDROXIDE 50% W/W SOLUTION (200L)

**Lot #** 322102

**Chemical Product:** S2923  
 SODIUM HYDROXIDE 50% W/W SOLUTION (REAGENT GRADE)

Test	Target/UOM	Range	Result
<b>WEIGHT PERCENT SODIUM HYDROXIDE</b>	51.00 W/W%	50.00 - 52.00	50.00
Sample ID			
Tested 08/16/23			
Tester TBUR			
Recorded 08/16/23			
<b>AMMONIUM HYDROXIDE PRECIPITATE, WT%</b>	MAX 0.01% % W/W		<0.01%
Sample ID			
Tested 08/16/23			
Tester TBUR			
Recorded 08/16/23			
<b>SODIUM CARBONATE</b>	0.25% WT MAX %		<0.1%
Sample ID			
Tested 08/16/23			
Tester TBUR			
Recorded 08/16/23			
<b>CHLORIDE (CL)% W/W</b>	0.005% MAX % W/W		<0.001%
Sample ID			
Tested 08/16/23			
Tester TBUR			
Recorded 08/16/23			
<b>COLOR</b>	APHA 20 MAX PT-CO		<5 APHA
Sample ID			
Tested 08/16/23			
Tester TBUR			
Recorded 08/16/23			
<b>HEAVY METALS AS AG WT%</b>	0.001% MAX % W/W		<0.001%
Sample ID			
Tested 08/16/23			
Tester TBUR			
Recorded 08/16/23			
<b>IRON (FE) WT%</b>	0.0005% MAX % W/W		<0.0005%
Sample ID			
Tested 08/16/23			
Tester TBUR			
Recorded 08/16/23			



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<b>NICKEL% W/W</b>	0.0005% MAX % W/W	<0.0005%
Sample ID		
Tested	08/16/23	
Tester	TBUR	
Recorded	08/16/23	
<b>NITROGEN COMPOUNDS AS (N) WT%</b>	0.00005% MAX % W/W	<0.0005%
Sample ID		
Tested	08/16/23	
Tester	TBUR	
Recorded	08/16/23	
<b>PHOSPHATE (PO4) W/W%</b>	0.00005% MAX % W/W	<0.0005%
Sample ID		
Tested	08/16/23	
Tester	TBUR	
Recorded	08/16/23	
<b>POTASSIUM (K) WT%</b>	0.025% MAX % W/W	<0.002%
Sample ID		
Tested	08/16/23	
Tester	TBUR	
Recorded	08/16/23	
<b>SULFATE (SO4) WT%</b>	0.003% MAX % W/W	<0.003%
Sample ID		
Tested	08/16/23	
Tester	TBUR	
Recorded	08/16/23	
<b>APPEARANCE AND COLOR</b>	CLEAR, NO SEDIMENT OR PARTICULATES APPEARANCE	CLEAR AND FREE
Sample ID		
Tested	08/16/23	
Tester	TBUR	
Recorded	08/16/23	
<b>Made</b>	08/09/23	

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.