

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

<b>Packaged Product:</b> 1363-4L BROMIDE-BROMATE 0.5 NORMAL (4L)			
<b>Lot #</b> 3081503			
<b>Chemical Product:</b> 1363 BROMIDE-BROMATE 0.5 NORMAL ASTM D1159 N.I.S.T. TRACEABLE			
Test	Target/UOM	Range	Result
<b>PREPARED TO FORMULATION ON</b>			
FILE	YES		YES
Sample ID	YES		
Tested 08/22/23			
Tester CCOA			
Recorded 08/22/23			
<b>Actual Normality</b>	0.5000	0.4995 - 0.5005	0.5002
	EQ/L		
Sample ID			
Tested 08/22/23			
Tester CCOA			
Recorded 08/22/23			
<b>ACTUAL MOLARITY</b>	0.2500	0.2495 - 0.2505	0.2501
	MOLARITY (M/L)		
Sample ID			
Tested 08/22/23			
Tester CCOA			
Recorded 08/22/23			
<b>Actual Density</b>	1.04544	1.04449 - 1.04639	1.04534
	GM/ML		
Sample ID			
Tested 08/22/23			
Tester CCOA			
Recorded 08/22/23			
<b>QCSP11:STANDARDIZATION OF BROMIDE-BROMAT</b>	YES		YES
	QCSP11		
Sample ID			
Tested 08/22/23			
Tester CCOA			
Recorded 08/22/23			
<b>APPEARANCE AND COLOR</b>	CLEAR LIQUID		PASS
	APPEARANCE		
Sample ID			
Tested 08/22/23			
Tester CCOA			
Recorded 08/22/23			
<b>INSTRUMENTS USED DURING PREPARATION</b>	INSTRUMENT		M112,T-19,M55,BID-00488,PID
			-149
Sample ID			
Tested 08/22/23			
Tester CCOA			
Recorded 08/22/23			



Aqua Solutions, Inc.  
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**Customer PO # :**

**EXPIRATION DATE**

MM/DD/YY  
MM/DD/YYYY

12/30/23

Sample ID

Tested 08/22/23

Tester CCOA

Recorded 08/22/23

**SHELF LIFE OF PRODUCT**

SHELF LIFE  
TIME

4 MONTHS

Sample ID

Tested 08/22/23

Tester CCOA

Recorded 08/22/23

**Made** 08/22/23

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.

**Quality Manager**