



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

Packaged Product: CHA096
 Sodium Hydroxide 50% w/w Special (200L)

Lot # 434401

Chemical Product: CHA096F
 Sodium Hydroxide 50% w/w Special

Test	Target/UOM	Range	Result
APPEARANCE AND COLOR	CLEAR LIQUID APPEARANCE		PASS
Sample ID			
Tested	12/13/24		
Tester	SNEL		
Recorded	12/13/24		
APPEARANCE AND COLOR	POSSIBILITY TRACE WHITE SOLIDS APPEARANCE		PASS
Sample ID			
Tested	12/13/24		
Tester	SNEL		
Recorded	12/13/24		
IDENTIFICATION	POSITIVE FOR SODIUM		PASS
Sample ID			
Tested	12/13/24		
Tester	SNEL		
Recorded	12/13/24		
WEIGHT PERCENT SODIUM HYDROXIDE	50.00 W/W%	49.40 - 51.00	50.10
Sample ID			
Tested	12/13/24		
Tester	SNEL		
Recorded	12/13/24		
Insoluble Substances & Organic Matter	PASSES TEST < 0.01% PASSES TEST		PASSES TEST < 0.01%
Sample ID			
Tested	12/27/24		
Tester	SNEL		
Recorded	12/27/24		
AMMONIUM HYDROXIDE PRECIPITATE, WT%	MAX 0.01% % W/W		< 0.01%
Sample ID			
Tested	12/13/24		
Tester	SNEL		
Recorded	12/13/24		
SODIUM CARBONATE	1.0% WT MAX %		< 0.1%
Sample ID			
Tested	12/13/24		
Tester	SNEL		
Recorded	12/13/24		



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CHLORIDE (CL)% W/W	0.005% MAX % W/W	< 0.001%
Sample ID		
Tested	12/13/24	
Tester	SNEL	
Recorded	12/13/24	
APHA COLOR	10 COLOR	0 - 20 5
Sample ID		
Tested	12/13/24	
Tester	SNEL	
Recorded	12/13/24	
HEAVY METALS AS AG WT%	0.002% MAX % W/W	< 0.001%
Sample ID		
Tested	12/13/24	
Tester	SNEL	
Recorded	12/13/24	
IRON (FE) WT%	0.0005% MAX % W/W	< 0.0005%
Sample ID		
Tested	12/13/24	
Tester	SNEL	
Recorded	12/13/24	
NICKEL% W/W	0.0005% MAX % W/W	< 0.0005%
Sample ID		
Tested	12/13/24	
Tester	SNEL	
Recorded	12/13/24	
NITROGEN COMPOUNDS AS (N) WT%	0.0005% MAX % W/W	< 0.0005%
Sample ID		
Tested	12/13/24	
Tester	SNEL	
Recorded	12/13/24	
PHOSPHATE (PO4) W/W%	0.005% MAX % W/W	< 0.0005%
Sample ID		
Tested	12/13/24	
Tester	SNEL	
Recorded	12/13/24	
POTASSIUM (K) WT%	0.025% MAX % W/W	< 0.002%
Sample ID		
Tested	12/13/24	
Tester	SNEL	
Recorded	12/13/24	



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SULFATE (SO4) WT%	0.003% MAX % W/W	< 0.003%
Sample ID		
Tested	12/13/24	
Tester	SNEL	
Recorded	12/13/24	
APPEARANCE AND COLOR	CLEAR, NO SEDIMENT OR PARTICULATES APPEARANCE	PASS
Sample ID		
Tested	12/13/24	
Tester	SNEL	
Recorded	12/13/24	
EXPIRATION DATE	MM/DD/YYYY MM/DD/YYYY	12/30/27
Sample ID		
Tested	12/13/24	
Tester	SNEL	
Recorded	12/13/24	
Made	12/12/24	

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