



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

Test	Target/UOM	Range	Result
Packaged Product: CHA047F			
	Hydrochloric Acid 2.0 Molar NIST Traceable		
PREPARED TO FORMULATION ON FILE	YES		YES
Sample ID			
Tested 08/15/22			
Tester MDON			
Recorded 08/15/22			
SAMPLE COLLECTION & HANDLING PER LAB040	YES		YES
Sample ID			
Tested 08/15/22			
Tester MDON			
Recorded 08/15/22			
ACTUAL MOLARITY	2.0000 MOLARITY (M/L)	1.9990 - 2.0010	1.9997
Sample ID			
Tested 08/15/22			
Tester MDON			
Recorded 08/15/22			
QCSP5: STANDARDIZATION OF AQUEOUS ACIDS	YES METHOD		YES
Sample ID			
Tested 08/15/22			
Tester MDON			
Recorded 08/15/22			
N.I.S.T. Traceable to SRM 723 THAM	YES YES		YES
Sample ID			
Tested 08/15/22			
Tester MDON			
Recorded 08/15/22			
Certified w/w% Hydrochloric Acid	7.000 W/W%	6.120 - 7.740	7.102
Sample ID			
Tested 08/15/22			
Tester MDON			
Recorded 08/15/22			
Assay of ACS Grade Hydrochloric Acid use	37.2 W/W%	36.5 - 38.0	37.3
Sample ID			
Tested 08/15/22			
Tester MDON			
Recorded 08/15/22			
Actual Density	1.03295 GM/ML	1.03235 - 1.03355	1.03290
Sample ID			
Tested 08/15/22			
Tester MDON			
Recorded 08/15/22			



Aqua Solutions, Inc.
6913 Highway 225
Deer Park, TX, 77536
281/479-2569

Certificate of Analysis / QC Results

Customer PO # :

APPEARANCE AND COLOR	CLEAR LIQUID APPEARANCE	PASS
Sample ID		
Tested 08/15/22		
Tester MDON		
Recorded 08/15/22		
COLOR	5 PT-CO	0 - 10 1
Sample ID		
Tested 08/15/22		
Tester MDON		
Recorded 08/15/22		
SPECIFIC GRAVITY	1.035 SPEC GRAV	1.030 - 1.040 1.034
Sample ID		
Tested 08/15/22		
Tester MDON		
Recorded 08/15/22		
SHELF LIFE OF PRODUCT	24 MONTHS TIME	2 YEARS
Sample ID		
Tested 08/15/22		
Tester MDON		
Recorded 08/15/22		
EXPIRATION DATE	MM/DD/YYYY	08/30/24
	MM/DD/YYYY	
Sample ID		
Tested 08/15/22		
Tester MDON		
Recorded 08/15/22		
Lot #	2062727	
Made	08/15/22	

Quality Manager