



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

Packaged Product: FS-A454-4			
METHANOL, OPTIMA GRADE CASE (4x4L)			
Test	Target/UOM	Range	Result
ASSAY OF MATERIAL	MIN 99.9%		99.99%
	%		
Sample ID			
Tested	08/25/23		
Tester	TBUR		
Recorded	08/25/23		
APPEARANCE AND COLOR	CLEAR COLORLESS LIQUID APPEARANCE		CLEAR, COLORLESS LIQUID
Sample ID			
Tested	08/25/23		
Tester	TBUR		
Recorded	08/25/23		
COLOR	MAX 5 APHA PT-CO		<5 APHA
Sample ID			
Tested	08/25/23		
Tester	TBUR		
Recorded	08/25/23		
Passed test for presence of carb	MAX 0.001% EA PASS		0.00017%
Sample ID			
Tested	08/25/23		
Tester	TBUR		
Recorded	08/25/23		
FLUORESCENCE (AS QUININE BASE)	MAX 1 PPB FLUORESCEN		<1 PPB
Sample ID			
Tested	08/25/23		
Tester	TBUR		
Recorded	08/25/23		
IDENTIFICATION	PASSES TEST PASS		PASSES TEST
Sample ID			
Tested	08/25/23		
Tester	TBUR		
Recorded	08/25/23		
REDUCING SUBSTANCES	PASSES TEST PASS		PASSES TEST
Sample ID			
Tested	08/25/23		
Tester	TBUR		
Recorded	08/25/23		
REFRACTIVE INDEX	1.3260	0.0000 - 1.3300	1.3269
	REFRACTIVE INDE		
Sample ID			
Tested	08/25/23		
Tester	TBUR		
Recorded	08/25/23		



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SUBSTANCES DARKENED BY	PASSES TEST	PASSES TEST
SULFURIC ACID	PASS	
Sample ID		
Tested 08/25/23		
Tester TBUR		
Recorded 08/25/23		
TITRABLE ACID	MAX 0.0003 MEQ/G	0.0003 MEQ/G
	T ACID	
Sample ID		
Tested 08/25/23		
Tester TBUR		
Recorded 08/25/23		
TITRABLE BASE	MAX 0.0002 MEQ/G	0.00002 MEQ/G
	T BASE	
Sample ID		
Tested 08/25/23		
Tester TBUR		
Recorded 08/25/23		
WATER CONTENT	MAX 0.07%	0.008%
	%	
Sample ID		
Tested 08/25/23		
Tester TBUR		
Recorded 08/25/23		
SOLUBILITY	PASSES TEST	PASSES TEST
	PASS	
Sample ID		
Tested 08/25/23		
Tester TBUR		
Recorded 08/25/23		
RESIDUE AFTER EVAPORATION	< = 1 PPM	0
Sample ID		
Tested 08/25/23		
Tester TBUR		
Recorded 08/25/23		
Lot #	323703	
Made	08/25/23	

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.