



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

Packaged Product: VUL452F			
Gallium and Yttrium 10 ug/ml in 2% v/v HCL Std.			
Test	Target/UOM	Range	Result
PREPARED TO FORMULATION ON	YES		YES
FILE	YES		
Sample ID			
Tested 02/07/25			
Tester JTRA			
Recorded 02/07/25			
CALCULATED UG/ML GALLIUM (GA)	10.00 UG/ML	9.95 - 10.05	10.00
Sample ID			
Tested 02/07/25			
Tester JTRA			
Recorded 02/07/25			
CALCULATED UG/ML YTTRIUM (Y)	10.00 UG/ML	9.95 - 10.05	10.00
Sample ID			
Tested 02/07/25			
Tester JTRA			
Recorded 02/07/25			
APPEARANCE AND COLOR	CLEAR TO PALE YELLOW LIQUID APPEARANCE		PASS
Sample ID			
Tested 02/07/25			
Tester JTRA			
Recorded 02/07/25			
Actual Density	1.00129 G/ML	0.99804 - 1.00453	1.00163
Sample ID			
Tested 02/07/25			
Tester JTRA			
Recorded 02/07/25			
INSTRUMENTS USED DURING PREPARATION	INSTRUMENT		P120,GC,VF4-N31,M55
Sample ID			
Tested 02/07/25			
Tester JTRA			
Recorded 02/07/25			
EXPIRATION DATE	MM/DD/YYYY MM/DD/YYYY		11/30/2025
Sample ID			
Tested 02/07/25			
Tester JTRA			
Recorded 02/07/25			
Lot #	5020607		
Made	02/07/25		



Aqua Solutions, Inc.
Ph: 281-479-2569
Fax: 281-479-2790
P.O. Box 70
Deer Park, TX 77536
Website: www.aquasolutions.org

Page: 2

Date: 02/11/25 at 7:40 AM

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

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