



**HALLIBURTON ENERGY SERV./FANN INST.
 AP DEPT./HALLIBURTON ENGY SERV, P.O. BOX 4960
 Portland, OR, 97208-4960
 2818714000**

Certificate of Analysis / QC Results

Customer PO # : 4517102759

Packaged Product: 209910 Titration Solution with SN 0.0282N (8OZ) (MIN EXP 18MO)			
Lot # 3080801			
Chemical Product: 8410 SILVER NITRATE 0.0282 NORMAL			
Test	Target/UOM	Range	Result
PREPARED TO FORMULATION ON FILE	YES		YES
SAMPLE COLLECTION & HANDLING PER LAB040	YES		YES
DATE OF SAMPLING FOR TEST PURPOSES	MM/DD/YYYY		08/11/23
AMBIENT TEMPERATURE DURING SAMPLING DEGC	25.0 DEG C	10.0 - 35.0	30.0
DATE OF TESTING OF SAMPLE	MM/DD/YYYY		08/11/23
AMBIENT TEST TEMPERATURE DEGC	20.0 DEG C	15.0 - 30.0	23.0
Actual Normality	0.0282 EQ/L	0.0279 - 0.0285	0.0282
QCSP54:STANDARDIZATION OF LOW NORMAL SN	YES QCSP54		YES
N.I.S.T. Traceable to SRM 919 NaCl	YES YES		YES
Actual Density	1.00225 GM/ML	1.00203 - 1.00247	1.00236
APPEARANCE AND COLOR	CLEAR WATER WHITE LIQUID		PASS
INSTRUMENTS USED DURING PREPARATION	APPEARANCE INSTRUMENT		M55,M112,T208
EXPIRATION DATE	MM/DD/YYYY MM/DD/YYYY		08/30/25
Made 08/11/23			



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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.

This report shall not be reproduced, except in full, without approval of the laboratory.

Aqua Solutions' Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by DNV Certificate Number 51119-2009-AQ-USA-ANAB.

Quality Manager
Aqua Solutions, Inc.