



**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 # : 4517424815

Packaged Product: 209905 Sodium Hydroxide Solution Standard 0.1N(8OZ) (MIN EXP 18MO)			
Lot # 4010832			
Chemical Product: 8625 SODIUM HYDROXIDE 0.1 NORMAL NIST TRACEABLE			
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		01/15/2024
AMBIENT TEMPERATURE DURING SAMPLING DEGC	25.0 DEG C	10.0 - 35.0	22.0
DATE OF TESTING OF SAMPLE	MM/DD/YYYY		01/15/2024
AMBIENT TEST TEMPERATURE DEGC	20.0 DEG C	15.0 - 30.0	22.0
Actual Normality	0.1000 EQ/L	0.0995 - 0.1005	0.1000
QCSP7: STANDARDIZATION OF AQUEOUS BASES	YES METHOD		YES
N.I.S.T. Traceable to SRM 84 (KHP)	YES YES		YES
Actual Density	1.00279 GM/ML	1.00255 - 1.00303	1.00279
INSTRUMENTS USED DURING PREPARATION	INSTRUMENT		M55,M112,T212,M91,BID3902, TID53326
EXPIRATION DATE	MM/DD/YY MM/DD/YYYY		01/30/26
SHELF LIFE OF PRODUCT	2 YEARS TIME		2 YEARS
APPEARANCE AND COLOR	CLEAR WATER WHITE LIQUID APPEARANCE		PASS
Made 01/15/24			



**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 # : 4517424815

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.