



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 # : 4517545807

Packaged Product:	209948 ISOPROPYL ALCOHOL (1 GAL CAN)		
Lot #	410804		
Chemical Product:	I7600 ISOPROPYL ALCOHOL REAGENT ACS		
Test	Target/UOM	Range	Result
ACETONE %	<=0.002 %		<0.002%
ASSAY OF MATERIAL	>= 99.5% %		100.0%
COLOR	MAX 10 APHA PT-CO		<5 APHA
SOLUBILITY	PASSES TEST PASS		PASSES TEST
WATER CONTENT	MAX 0.2% %		0.004%
RESIDUE AFTER EVAPORATION	< = 0.001%		0.00002%
TITRABLE ACID	MAX 0.0001 MEQ/G T ACID		0.00003 MEQ/G
TITRABLE BASE	MAX 0.0001 MEQ/G T BASE		0.00003 MEQ/G
EXPIRATION DATE	MM/DD/YY MM/DD/YYYY		03/19/2029
SHELF LIFE OF PRODUCT	SHELF LIFE TIME		5 YEARS
MANUFACTURE DATE	MM/DD/YY MM/DD/YYYY		03/19/2024
Made	04/17/24		

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.