

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

## Customer PO # :

SODIUM NITROPRUSSIDE SOLUTION SMART, NH4 TEST       Test     Tagget/UOM     Range     Result       PREPARED TO FORMULATION ON     YES     YES       FILE     YES     Sample ID     YES       Sample ID     Tested     11/27/23     Tested     YES       CALCULATED W/Y% SODUM     0.050     0.049 - 0.051     0.050       NTROPRUSSIDE     W/Y%     Sample ID     0.050     0.049 - 0.051     0.050       Tested     11/27/23     Testen     MMAT     Recorded     11/27/23       APPEARANCE AND COLOR     PALE TAN SOLUTION     APPEARANCE     PASS       Sample ID     Testen     MMAT     Recorded     11/27/23       Tester     MMAT     Recorded     11/27/23     PASS       APPEARANCE AND COLOR     PALE TAN SOLUTION     APPEARANCE     PASS       Sample ID     Tested     11/27/23     YES       Tester     MMAT     Recorded     11/27/23       Tester     INSTRUMENTS USED DURING     INSTRUMENT     VF1-220       PREPARATION     Sample ID     Tester     MM/DD/YYYY       Sample ID     MM/DD/YYYY     01/01/2024       Tester     MM/DD/YYYY     01/01/2024       MM/DD/YYYY     Sample ID     01/01/2024 <t< th=""><th>Packaged Product</th><th></th><th></th><th></th><th></th></t<>	Packaged Product				
PREPARED TO FORMULATION ON         YES         YES           FILE         YES           Sample ID         Tested           Tested         11/27/23           Tester         MMAT           Recorded         11/27/23           CALCULATED W/V% SODIUM         0.050         0.049 - 0.051         0.050           NITROPRUSSIDE         W/V%         Sample ID         0.050           Tester         MMAT         Recorded         11/27/23           Tester         MMAT         Recorded         11/27/23           Tester         MMAT         Recorded         11/27/23           Tested         11/27/23         PALE TAN SOLUTION         PASS           APPEARANCE AND COLOR         PALE TAN SOLUTION         PASS           APPEARANCE         MAT         Recorded         11/27/23           Tested         11/27/23         Tested         11/27/23           Tested         11/27/23         VF1-220           PREPARATION         Sample ID         VF1-220           Tested         11/27/23         MM/D/YYYY         01/01/2024           MM/DD/YYYY         Sample ID         Tested         11/27/23           Tested         11/27/23         M		SODIUM	NITROPRUSSIDE SOLUTION	SMART.NH4 TEST	
FILE       YES         Sample JJ       Tested       11/27/23         Tested       11/27/23       0.050       0.049 • 0.051       0.050         CALCULATED W/WS USU       0.050       0.049 • 0.051       0.050         NITROPRUSSION       W/V%       Sample JJ       0.050         Sample JJ       YES       YES       YES         APPEARANCE AND UST       PALE TAN SOLUTION APPEARANCE AND UST       PALE TAN SOLUTION APPEARANCE       PASS         Sample JJ       Sample JJ       PALE TAN SOLUTION APPEARANCE       PASS         Sample JJ       APPEARANCE       PASS         Tested       11/27/23       PAPEARANCE       PASS         Sample JJ       Sample JJ       YES       YES         Tested       11/27/23       YES       YES         Recorded       11/27/23       YES       YES         Tested       11/27/23       YES       YES         Recorded       11/27/23       YES       YES         Recorded       11/27/23       YES       YES         Recorded       11/27/23       YES       YES         Recorded       11/27/23       YES       YES         Sample JL       YES       YES <th></th> <th></th> <th></th> <th>Range</th> <th></th>				Range	
Sample ID         Tester       MMAT         Recorded       11/27/23         CALCULATED W/V% SOUM       0.050       0.049 - 0.051       0.050         NTROPRUSSIDE       W/V%       0.050       0.049 - 0.051       0.050         NTROPRUSSIDE       W/V%       0.050       0.049 - 0.051       0.050         NTROPRUSSIDE       W/V%       0.050       0.049 - 0.051       0.050         Sample ID       Tested       11/27/23       0.050       0.049 - 0.051       0.050         APPEARANCE AND COLOR       PALE TAN SOLUTION       PASS       PASS         APPEARANCE AND COLOR       PASS       APPEARANCE       PASS         Sample ID       Tester       MMAT       PASS         Recorded       11/27/23       NSTRUMENT       VF1-220         PREPARATION       I1/27/23       VF1-220       VF1-220         Recorded       11/27/23       VF1-220       VF1-220		JLATION ON			YES
Tested         11/27/23           Tested         MMAT           Recorded         11/27/23           CALCULATED WV% SODUM         0.050         0.049 - 0.051         0.050           NITROPRUSSIDE         W/%         0.050         0.049 - 0.051         0.050           NITROPRUSSIDE         W/%         0.050         0.049 - 0.051         0.050           Sample ID         Tested         11/27/23         0.050         0.049 - 0.051         0.050           APPEARANCE AND COLOR         PALE TAN SOLUTION Recorded         11/27/23         PASS         0.050           Sample ID         Tested         11/27/23         PAPEARANCE         PASS           Sample ID         InSTRUMENT         VF1-220           PREPARATION         INSTRUMENT         VF1-220           PREPARATION         InV/7/23         VF1-220           Recorded         11/27/23         VF1-220           Tester         MMAT         N/0/0/YYYY           Recorded         11/27/23         VF1-220           Tested         11/27/23         VF1-220           Recorded         11/27/23         VF1-220           Recorded         11/27/23         VF1-220           Recorded			YES		
Tester         MMAT Recorded         11/27/23           CALCULATED W/V% SODUU         0.050         0.049 - 0.051         0.050           NITROPRUSSIDE         W/V%         W/V%         W/V%           Sample ID         Tester         MMAT         MMAT           Recorded         11/27/23         PALE TAN SOLUTION         PASS           APPEARANCE AND COLOR         PALE TAN SOLUTION         PASS           Sample ID         Tester         MMAT           Tester         MMAT         PASS           Tester         MMAT         PASS           Recorded         11/27/23         PASS           Tester         MMAT         PASS           Recorded         11/27/23         PASS           Tester         MMAT         PASS           Recorded         11/27/23         PASS           Sample ID         INSTRUMENT         VF1-220           Sample ID         Tester         MM/DD/YYYY           Recorded         11/27/23         PASS           Tester         MM/DD/YYYY         01/01/2024           MM/DD/YYYY         MM/DD/YYYY         01/01/2024           Sample ID         Tester         MM/DD/YYYY           Sample					
Recorded         11/27/23           CALCULATED         W/V%         0.050         0.049 - 0.051         0.050           NITROPRUSSIDE         W/V%         0.050         0.049 - 0.051         0.050           NITROPRUSSIDE         W/V%         0.050         0.049 - 0.051         0.050           Sample ID         Fested         11/27/23         Participation         Participation           APPEARANCE AND COLOR         PALE TAN SOLUTION         PASS         PASS           APPEARANCE         MMAT         PALE TAN SOLUTION         PASS           Tested         11/27/23         INSTRUMENT         VF1-220           PREPARATION         Sample ID         Sample ID         MM/DD/YYYY         O1/01/2024           Recorded         11/27/23         MM/DD/YYYY         O1/01/2024           Sample ID         MM/DD/YYYY         O1/01/2024           MM/DD/YYYY         MM/DD/YYYY         O1/01/2024           MM/D/DYYYY         MM/D/D/YYYY           Sample ID					
CALCULATED W/V% SODUM0.0500.049 - 0.0510.050NITROPRUSSIDEW/V%0.0500.049 - 0.0510.050NITROPRUSSIDEW/V%Sample ID11/27/2311/27/23TesterMMATRecorded11/27/23PALE TAN SOLUTIONPASSAPPEARANCE AND COLORPALE TAN SOLUTIONAPPEARANCEPASSSample IDTesterMMATPALE TAN SOLUTIONPASSRecorded11/27/23NSTRUMENTVF1-220Recorded11/27/23INSTRUMENTVF1-220ReperationVF1-220VF1-220VF1-220ReperationINSTRUMENTVF1-220Recorded11/27/23INSTRUMENTVF1-220Recorded11/27/23INSTRUMENTVF1-220Recorded11/27/23INSTRUMENTVF1-220Recorded11/27/23INSTRUMENTVF1-220Recorded11/27/23INSTRUMENTVF1-220Recorded11/27/23INSTRUMENTVF1-220Recorded11/27/23INSTRUMENTVF1-220FesterMMATMM/DD/YYYY11/01/2024MM/DD/YYYYMM/DD/YYYY11/01/2024Sample IDInterventionInterventionTesterMMATInterventionInterventionSample IDFesterMMATTesterMMATInterventionTesterMMATInterventionFesterMMATInterventionTesterMMATInterventionTesterMMATInterve	Tester				
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Sample ID Tested 11/27/23 Tester MMAT Recorded 11/27/23 APPEARANCE AND COLOR PALE TAN SOLUTION APPEARANCE Sample ID Tested 11/27/23 Tester MMAT Recorded 11/27/23 Tester MMAT				0.049 - 0.051	0.050
Tested       11/27/23         Tester       MMAT         Recorded       11/27/23         APPEARANCE AND CO-V       PALE TAN SOLUTION         APPEARANCE       PALE TAN SOLUTION         Sample ID       APPEARANCE         Tested       11/27/23         Tested       11/27/23         Tester       MMAT         Recorded       11/27/23         Tester       MMAT         Recorded       11/27/23         INSTRUMENTS USED D-UNING       INSTRUMENT         PREPARATON       VF1-220         PREPARATON       VF1-220         Recorded       11/27/23         Tested       11/27/23         Tester       MMAT         Recorded       11/27/23         Tester       MMAT         Recorded       11/27/23         Tester       MM/DD/YYYY         Sample ID       MM/DD/YYYY         Sample ID       MM/DD/YYYY         Sample ID       MM/DD/YYYY         Sample ID       MM/DI         Tested       11/27/23         Tested       11/27/23         Tested       11/27/23         Tester       MM/DI	NITROPRUSSIDE		W/V%		
Tester     MMAT Recorded     PALE TAN SOLUTION APPEARANCE     PASS       APPEARANCE AND COLOR     PALE TAN SOLUTION APPEARANCE     PASS       Sample ID Tested     11/27/23 Tester     MMAT Recorded     PASS       INSTRUMENTS USED DURING     INSTRUMENT     VF1-Z20       PREPARATION Recorded     11/27/23 Tester     INSTRUMENT     VF1-Z20       PREPARATION Recorded     11/27/23 Tester     MMAT Recorded     01/01/2024       Sample ID Tested     11/27/23 Tester     MM/DD/YYYY MM/DD/YYYY     01/01/2024       Sample ID Tested     11/27/23 Tester     01/01/2024	Sample ID				
Recorded       11/27/23       PALE TAN SOLUTION APPEARANCE       PASS         APPEARINCE       PASS       PASS         Sample ID       Tested       11/27/23         Tested       11/27/23       VF1-Z20         Recorded       11/27/23       VF1-Z20         INSTRUMENTS USED URING       INSTRUMENT       VF1-Z20         PREPARATION       Sample ID       VF1-Z20         Sample ID       Tested       11/27/23         Tested       11/27/23       VF1-Z20         Recorded       11/27/23       VF1-Z20         Sample ID       MMAT       VF1-Z20         Recorded       11/27/23       VF1-Z20         Sample ID       MM/DD/YYYY       01/01/2024         Sample ID       MM/DD/YYYY       01/01/2024         Sample ID       MM/DD/YYYY       01/01/2024         Sample ID       MM/DD/YYYY       01/01/2024         MM/DD/YYYY       MM/DD/YYYY         Sample ID       Tested       11/27/23         Tested       11/27/23       MM/DD/YYYY         Sample ID       MM/DD/YYYY       01/01/2024	Tested	11/27/23			
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Tester RecordedMMAT 11/27/23VF1-20INSTRUMENTS USED U-INGINSTRUMENTVF1-20PREPARATIONVF1-20VF1-20Sample IDI1/27/23VF1-20TesterMMAT RecordedVF1-20PREPARATION DATEMM/DD/YYYY01/01/2024Sample IDINSTRUMENTNO1/01/2024Sample IDIN27/23VF1-20Sample IDINSTRUMENTNO1/01/2024Sample IDINSTRUMENTNO1/01/2024Tested11/27/23VF1-20Sample IDINSTRUMENTNO1/01/2024Sample IDINSTRUMENTNO1/01/2024Sample IDINSTRUMENTNOTTested11/27/23INSTRUMENTTestenMMATINSTRUMENT	Sample ID				
Recorded       11/27/23         INSTRUMENTS USED URING       INSTRUMENT         PREPARATION       VF1-Z20         Sample ID       Fested         Tester       MMAT         Recorded       11/27/23         Tester       MMAT         Recorded       11/27/23         EXPIRATION DATE       MM/DD/YYYY         Sample ID       MM/DD/YYYY         Sample ID       MM/DD/YYYY         Fested       11/27/23         Tested       11/27/23	Tested	11/27/23			
INSTRUMENTS USED JRING INSTRUMENT VF1-Z20 PREPARATION Sample ID Tested 11/27/23 Tester MMAT Recorded 11/27/23 EXPIRATION DATE Sample ID Tested 11/27/23 Tester MMAT I Tested 11/27/23 MM/DD/YYYY MM/DD/YYYY MM/DD/YYYY MM/DD/YYYY MM/DD/YYYY	Tester	MMAT			
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Sample ID         Tested       11/27/23         Tester       MMAT         Recorded       11/27/23         EXPIRATION DATE       MM/DD/YYYY         Sample ID       01/01/2024         Tested       11/27/23         Tested       11/27/23         Tested       11/27/23         Tested       11/27/23         Tester       MMAT	INSTRUMENTS USED DURING		INSTRUMENT		VF1-Z20
Tested 11/27/23 Tester MMAT Recorded 11/27/23 EXPIRATION DATE MM/DD/YYYY 01/01/2024 Sample ID Tested 11/27/23 Tester MMAT	PREPARATION				
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Recorded       11/27/23         EXPIRATION DATE       MM/DD/YYYY         MM/DD/YYYY       01/01/2024         Sample ID       MM/DD/YYYY         Tested       11/27/23         Tester       MMAT	Tested	11/27/23			
EXPIRATION DATE MM/DD/YYYY 01/01/2024 MM/DD/YYYY Sample ID Tested 11/27/23 Tester MMAT 01/01/2024	Tester	MMAT			
MM/DD/YYYY Sample ID Tested 11/27/23 Tester MMAT	Recorded	11/27/23			
Sample ID Tested 11/27/23 Tester MMAT	EXPIRATION DATE		MM/DD/YYYY		01/01/2024
Tested 11/27/23 Tester MMAT			MM/DD/YYYY		
Tested 11/27/23 Tester MMAT	Sample ID				
Tester MMAT					
Lot # 3112723	Lot # 3112	723			
Made 11/27/23	Made 11/2	7/23			

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.

huland SPA