

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

<b>Packaged Product:</b> C0713-2.5KG CALCIUM HYDROXIDE REAGENT ACS PWDR			
<b>Lot #</b> 420401			
<b>Chemical Product:</b> C0727 CALCIUM HYDROXIDE LAB GRADE POWDER			
<b>Test</b>	<b>Target/UOM</b>	<b>Range</b>	<b>Result</b>
ASSAY OF MATERIAL	95 - 100.5%		97.1%
PASSING 325 MESH	MIN 96.5		98.6%
	325 MESH		
MOISTURE, %	MAX 1.0%		0.4%
	MOISTURE		
FLUORIDE (F)	MAX 50 PPM		< 50 PPM
	FLUORIDE		
INSOLUBLES, % GUARANTEED	MAX 0.5%		< 0.5%
	INSOLUBLES		
HEAVY METAL (AS PB)	MAX 30 PPM		< 20 PPM
	HVY MTL		
LEAD (PB) CONTENT	MAX 10 PPM		< 2 PPM
	LEAD		
% MAG. & ALKALI SALTS	MAX 4.8%		< 4.8%
	% MAG		
ARSENIC CONTENT	MAX 3.0 PPM		< 3.0 PPM
	ARSENIC		
CARBONATE AS NA2CO3	PASSES TEST		PASSES TEST
	CARBONATE		
APPEARANCE AND COLOR	WHITE POWDER		WHITE POWDER
	APPEARANCE		
<b>Made</b> 07/22/04			

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.

Aqua Solutions' Quality System has been found to conform to Quality Management System Standard ISO9001:2008 by DNV Certificate Number 51119-2009-AQ-USA-ANAB.



**Quality Manager**  
Aqua Solutions, Inc.