

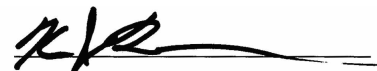
## Certificate Of Analysis

January 20, 2010

Name: Hydrochloric Acid 37%  
Catalog No: HR0870  
Grade: ACS  
Tedia Lot No. 1001014

This is to certify that this lot was tested and found to comply with the specifications for the product. The following are the actual analytical results obtained.

<u>Test Name</u>	<u>Limits</u>	<u>Actual</u>
Ammonium	Max 3 ppm	<
Description		
Clear colorless liquid free of suspended matter	Passes Test	
Arsenic (As)	Max 0.01 ppm	<
Assay (by Titration)	36.5 to 38 %	
Bromide	Max 0.005 %	<
Color	Max 10 APHA	
Extractable organic substances	Passes Test	
Free chlorine	Max 1 ppm	<
Heavy metals		
(as Lead)	Max 1 ppm	<
Iron (Fe)	Max 0.2 ppm	<
Residue after ignition	Max 5 ppm	<
Sulfate		
(as Sulfate)	Max 1 ppm	<
Sulfite	Max 1 ppm	<



Karl Kuhlmann  
Chemist

Tedia Company, Inc. certifies that this product was derived from synthetic raw materials and the manufacturing process excluded contamination with any animal products.