



Certificate of Analysis

Hydrochloric Acid 3.00N Solution

PharmaPUR™

GMP Manufactured Product

<u>Property</u>	<u>Specifications</u>	<u>Analysis</u>	
Assay Normality	2.95-3.05 N	2.99	N
Appearance	Clear, colorless liquid	Pass	
Sulfate	Passes NF test	Pass	
Residue after Ignition	2 mg maximum	<2	ppm
Free Bromine or Chlorine	Passes NF test	Pass	
Sulfite	Passes NF test	Pass	
Heavy Metals	5 ppm maximum	<5	ppm
Identification	Passes NF test	Pass	

Made from USP Purified Water and Hydrochloric Acid, NF which meets EP and JP chemical specifications. This product meets the USP guideline for residual solvents.

Lot Number 63743521801

By

John Sinclair
Site Quality Manager

Manufacture Date 12/19/2018
Expiration Date 12/31/2020