



Certificate of Analysis

Hydrochloric Acid 2.00 N Solution

PharmaPUR™

GMP Manufactured Product

<u>Property</u>	<u>Specifications</u>	<u>Analysis</u>	
Assay Normality	1.98-2.02 N	2.02	N
Appearance	Clear, colorless liquid	Pass	
Identification: Chloride <191>	Passes Test	Pass	
Sulfate	1 ppm maximum	<1	mg/L
Ammonium	3 ppm maximum	<3	ppm
Heavy Metals	0.5 ppm maximum	<0.5	ppm
Iron	0.1 ppm maximum	<0.1	ppm

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 63960721901

By

John Sinclair
Site Quality Manager

Manufacture Date 03/13/2019

Expiration Date 03/31/2021