



Certificate of Analysis

Sodium Hydroxide 5.0 N Solution

PharmaPUR™

GMP Manufactured Product

<u>Property</u>	<u>Specifications</u>	<u>Analysis</u>	
Assay Normality	4.9-5.1 N	4.97	N
Appearance	To Pass Test	Pass	
Carbonate	0.6% maximum	<0.1	%
Identification: Sodium <191>	Passes Test	Pass	
Insoluble Substances and Organic Matter	To Pass Test	Pass	
Chloride	30 ppm maximum		ppm
Heavy Metals	1 ppm maximum		ppm
Iron	0.5 ppm maximum		ppm
Endotoxin (mL)	2.0 EU/mL maximum	<2.0	EU/mL

Made from USP Purified Water and Sodium Hydroxide, NF pellets which also meet EP and JP specifications.

The final solution is then filtered using a 0.2µm filter. The solution meets all requirements for residual solvents USP <467>.

Lot Number 76720221901

By

John Sinclair
Site Quality Manager

Manufacture Date 01/21/2019
Expiration Date 01/31/2021