



Sodium Hydroxide 50% Solution  
 GMP Manufactured Product  
 PharmaPUR™

Product Number: 767815GMP  
 Lot Number: 76780711901  
 Manufacture Date: 12-Mar-2019  
 Expiration Date: 12-Mar-2021

## Certificate of Analysis

Parameter	Test Method	Specification	Result
<b>Meets U.S.P./NF Requirements</b>			
Assay (w/w)	NF	50.0-52.0%	50.86 %
Carbonate	NF	3.0% maximum	<0.1 %
Heavy Metals	NF	1 ppm maximum	<1 ppm
Insoluble Substances and Organic Matter	NF	Passes Test	Pass
Identification: Sodium <191>	NF	Passes Test	Pass
<b>Meets Ph.Eur. Chemical Specifications</b>			
Chloride	EP	30 ppm maximum	<30 ppm
Iron	EP	2 ppm maximum	<2 ppm
<b>Additional Specifications</b>			
Turbidity		Report as NTU	0.45 NTU
Appearance		Clear to hazy, colorless liquid	Pass

Made from USP Purified Water and Sodium Hydroxide pellets, NF which meets EP, and JP chemical specifications.  
 This product meets the USP guideline for residual solvents.  
 The final solution is filtered using a 2.5µm filter.

Release Authorized by (John Sinclair), Site Quality Manager  
 Date of Certificate Analysis Release: 25-Mar-2019  
 This Certificate of Analysis was released from a controlled electronic document management system.

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