

## Certificate of Analysis

**Product : Sodium Hydroxide**  
 ACS grade  
**CAS # 1310-73-2**  
**CHEMICAL FORMULA : NaOH**

**Product Code : CP-I2390D**  
**Lot: MKCP9379**  
**Density: 2.13 g/mL**  
**F.W. 40.00**

Characteristic	Requirement		Results	Units
	Min.	Max.		
Appearance ( Color )	White		White	
Appearance ( Form )	Pellets		Pellets	
X-Ray Diffraction	Conforms to structure		Conforms	
Titration by HCl	97.0		98.9	%
Impurity % Na <sub>2</sub> CO <sub>3</sub> by HCl titration		1.0	0.6	%
Sulfate ( SO <sub>4</sub> )		0.003	0.003	%
Chloride ( Cl )		0.005	0.003	%
Nitrogen compounds ( as N )		0.001	<0.001	%
Phosphate ( PO <sub>4</sub> )		0.001	<0.001	%
Heavy Metals ( as Ag )		0.002	<0.002	%
Iron ( Fe )		0.001	<0.001	%
Nickel ( Ni )		0.001	<0.001	%
Mercury ( Hg )		0.1	<0.1	ppm
Calcium ( Ca )		0.005	<0.005	%
Magnesium ( Mg )		0.002	<0.002	%
Potassium ( K )		0.02	<0.02	%
Meets ACS Requirements	ACS Specifications		Conforms	
Release Date	2024-April-16			
Retest Period	Two ( 2 ) years			

I= 12Kg container

This is to certify that samples of the lot number above were tested and found to comply with the stated specifications. Some or all data have been provided by vendors/third parties. ChemPure Brand Chemicals expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular use or purpose. Persons using this information should make their own determination regarding its suitability for their particular use.

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