

## Certificate of Analysis

**Product : Potassium Hydroxide, 500 grams**  
 Meets ACS specifications  
 CAS # 1310-58-3  
 CHEMICAL FORMULA : KOH

**Product Code : CP-A1909D**  
 Lot: 4515CP5878  
 Density: 2.12 g/mL  
 F.W. 56.11

Test	Unit	Specifications	Test Value
Appearance		White to Off-white pellets	Passed
Assay	%	min. 85.0	> 85
Solubility ( 100 mg/mL in water)		clear and colorless	Passed
Potassium Carbonate (K <sub>2</sub> CO <sub>3</sub> )	%	max. 2.0	< 2
Chloride (Cl <sup>-</sup> )	%	max. 0.01	< 0.001
Nitrogen compounds	%	max. 0.001	< 0.0005
Phosphate (PO <sub>4</sub> <sup>3-</sup> )	%	max. 0.0005	<0.0005
Sulfate (SO <sub>4</sub> <sup>2-</sup> )	%	max. 0.003	<0.003
Heavy metals as Ag	%	max. 0.003	<0.003
Iron ( Fe )	%	max. 0.001	<0.001
Nickel ( Ni )	%	max. 0.001	< 0.001
Calcium ( Ca )	%	max. 0.005	<0.005
Magnesium ( Mg )	%	max. 0.002	<0.002
Sodium ( Na )	%	max. 0.05	<0.05
BSE / TSE Free		BSE/TSE Free	Passed
Country of Origin		China	
QC Test/ Release Date		2024-March-12	
Suggested Retest Date		2029-March-11	

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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