



**ChemPure\* Brand  
Chemicals**

Cust-Product Code: CP-E4258  
Lot #: 2019080924

...Pure Quality

## CERTIFICATE OF ANALYSIS

PRODUCT NAME: **Potassium Hydroxide 45%**  
High Purity Reagent Plus

F.W.: 56.1100

CHEMICAL FORMULA: KOH

CAS No: 1310-58-3

Density: 1.4600

ANALYTICAL RESULTS		
ITEM	SPECIFICATIONS	ANALYSIS
Assay (KOH)	45.0% min.	45.7%
Chloride (Cl)	0.003% max.	0.001%
Iron (Fe)	2 ppm max.	0.05 ppm
Sodium (Na)	0.02% max.	0.02%
Nickel (Ni)	5 ppm max.	<0.1 ppm
Potassium Carbonate (K <sub>2</sub> CO <sub>3</sub> )	0.2% max.	0.03%
Sulfate (SO <sub>4</sub> )	0.001% max.	0.0002%
Ammonium hydroxide precipitate	0.005% max.	0.001%
Heavy metals (as Ag)	5 ppm max.	<1 ppm
Nitrogen Compounds (as N)	5 ppm max.	<0.1 ppm
Phosphate (PO <sub>4</sub> )	2 ppm max.	<1 ppm
Release Date	Record Actual	08/20/2019
REMARKS		

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