



**ChemPure* Brand
Chemicals**

Cust-Product Code: CP-E4258
Lot #: 2020090996

...Pure Quality

CERTIFICATE OF ANALYSIS

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

F.W.: 56.1100

CAS No: 1310-58-3

CHEMICAL FORMULA: KOH

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.	0.04 ppm
Sodium (Na)	0.02% max.	0.01%
Nickel (Ni)	5 ppm max.	<0.1 ppm
Potassium Carbonate (K ₂ CO ₃)	0.2% max.	0.01%
Sulfate (SO ₄)	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 ₄)	2 ppm max.	<1 ppm
Release Date	Record Actual	09/14/2020
REMARKS		

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