



Certificate of Analysis.

Potassium hydroxide hydrate for trace metal analysis in ICP-OES/ICP MS/IC/GF AAS/Flame AAS.

Product Code:	BS13768.
Description:	Potassium hydroxide hydrate for trace metal analysis in ICP-OES/ICP MS/IC/GF AAS/Flame AAS.
Chemical Name:	Potassium hydroxide monohydrate.
Pack:	25 gm.
CAS No.:	26288-25-5.
Mol. Weight:	74.13 g/mol.
Mol. Formula:	H₃KO₂.
MDL Number:	MFCD00003553.
Melting point:	143 °C.
Boiling point:	1320 °C.
Density:	1.835g/cm³.
Solubility:	Soluble in water.
Storage:	Store at ambient temperature.
LOT NO.:	Sample.
Manufacture Date:	Lot specific.
Expiry Date:	5 years.

Test	Specification	Measured Values
Appearance:	Crystalline powder	Lot specific.
Assay of KOH · 1H ₂ O:	≥ 85 %.	Lot specific.
Assay of potassium carbonate:	≤ 1.0 %.	Lot specific.
Chloride (Cl):	≤ 1.0 ppm.	Lot specific.
Phosphate (PO ₄):	≤ 0.05 ppm.	Lot specific.
Silicate (as SiO ₂):	≤ 5 ppm.	Lot specific.
Sulfate (SO ₄):	≤ 5 ppm.	Lot specific.
Al (Aluminium):	≤ 0.05 ppm.	Lot specific.
As (Arsenic):	≤ 0.1 ppm.	Lot specific.
Ba (Barium):	≤ 10.0 ppm.	Lot specific.
Ca (Calcium):	≤ 0.5 ppm.	Lot specific.
Cd (Cadmium):	≤ 0.01 ppm.	Lot specific.
Ce (Cerium):	≤ 0.01 ppm.	Lot specific.
Co (Cobalt):	≤ 0.010 ppm.	Lot specific.
Cr (Chromium):	≤ 0.010 ppm.	Lot specific.
Cu (Copper):	≤ 0.010 ppm.	Lot specific.
Eu (Europium):	≤ 0.010 ppm.	Lot specific.
Fe (Iron):	≤ 0.05 ppm.	Lot specific.



Hg (Mercury):	≤ 0.01 ppm.	Lot specific.
La (Lanthanum):	≤ 0.010 ppm.	Lot specific.
Li (Lithium):	≤ 0.5 ppm.	Lot specific.
Mg (Magnesium):	≤ 0.10 ppm.	Lot specific.
Mn (Manganese):	≤ 0.050 ppm.	Lot specific.
Na (Sodium):	≤ 5 ppm.	Lot specific.
Ni (Nickel):	≤ 0.010 ppm.	Lot specific.
Pb (Lead):	≤ 0.010 ppm.	Lot specific.
Sc (Scandium):	≤ 0.010 ppm.	Lot specific.
Sm (Samarium):	≤ 0.010 ppm.	Lot specific.
Sr (Strontium):	≤ 0.50 ppm.	Lot specific.
Tl (Thallium):	≤ 0.01 ppm.	Lot specific.
Y (Yttrium):	≤ 0.010 ppm.	Lot specific.
Yb (Ytterbium):	≤ 0.010 ppm.	Lot specific.
Zn (Zinc):	≤ 0.050 ppm.	Lot specific.
Assay:	>99.9%.	Lot specific.

Please Note: - This material is only for laboratory purpose and not for human consumption. This is a computer generated COA, no stamp or signature is required.

KOH H₂O



Dr. K. Deepti.
Technical Head.

