



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-301595
Lot Number: SAMPLE
Product Name: Potassium hydroxide solution
CAS Number: 1310-58-3
Molecular Formula: KOH
Molecular Weight: 56.11

Test	Specification	Result
Appearance	Colorless liquid	Complies
Cyclic Voltammetry	Consistent with standard CV	Complies
Identification (UV)	Consistent with requirements	240nm: 0.1 290 nm: 0.023 300 nm: 0.010 310 nm: 0.005 500nm:< 0.005
Purity (Titration)	40.5 - 49.5% (1M HCl)	47.5% (1M HCl)
Density	1.440 - 1.480 (D20/4)	1.480 (D20/4)
Residue	No residue (Filter test)	Complies
Filter Test	Neat	Neat
Carbon Content	$\leq 0.3\%$ (K_2CO_3)	$< 0.1\%$ (K_2CO_3)
Suitability	Consistent with standard	Complies

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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