

### Certificate of Analysis

**Product: Potassium Hydroxide, 45% Solution**

**Item Number: C6427**

**Grade: Reagent**

**Lot Number: 250618-A**

**Manufacture Date: 06/18/2025**

**Expiration Date: 06/17/2028**

**Country of Origin: United States**

Tested Property	Specification	Analysis
Appearance	Colorless liquid	Conforms
Assay (vs. Sulfuric Acid/Phenolphthalein)	Min 45.0% (w/w)	45.01
Chloride (Cl)	Max 0.003%	<0.003
Heavy Metals (as Ag)	Max 5 ppm	Conforms
Iron (Fe)	Max 2 ppm	1
Nickel	Max 5 ppm	2
Nitrogen Compounds (as N)	Max 5 ppm	5
Phosphate	Max 2 ppm	<2
Potassium Carbonate	Max 0.2%	0.1
Sodium (Na)	Max 0.2%	0.17
Sulfate	Max 0.001%	<0.001
NH <sub>4</sub> OH Precipitate	Max 0.005 %	0.004%

Recommended Storage: 15°C - 30°C (59°F - 86°F)

#### [Potassium Hydroxide, 45% Solution](#)

Note: The information and recommendations of Lab Alley concerning this product are based upon laboratory tests and experience. To the best of our knowledge and belief these are true and accurate, however Lab Alley assumes no obligation or liability for the information in this document. Since conditions of actual use are beyond our control, any recommendations or suggestions regarding merchantability and fitness for

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