

Potassium Chloride, 1Kg**PG-5930-1kg**

Potassium Chloride (KCl) is a high-purity inorganic salt widely used in molecular biology, biochemistry, microbiology, electrophysiology, analytical chemistry, and cell culture applications. It serves as an essential component in buffer formulations, enzyme reaction systems, electrophoresis buffers, and physiological solutions. Potassium chloride plays a critical role in maintaining ionic strength and osmotic balance in biological and biochemical systems.

Parameter	Specification
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Product Name	Potassium Chloride
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Chemical Formula	KCl
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Molecular Weight	74.55 g/mol
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Appearance	White crystalline powder
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Assay	≥ 99.0%
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Solubility	Freely soluble in water
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pH (5% Solution)	5.0 – 8.0
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Loss on Drying	≤ 0.5%
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Heavy Metals	≤ 10 ppm
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Sodium (Na)	≤ 0.5%
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Sulfate (SO₄²⁻)	≤ 0.02%
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CAS Number	7447-40-7
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Safety

Harmful if inhaled, swallowed, or absorbed through skin. Suspected carcinogen. May cause liver, kidney, and central nervous system damage following prolonged or repeated exposure. Use in a well-ventilated area and wear appropriate PPE including gloves, lab coat, and safety goggles. Avoid contact with skin, eyes, and clothing. Store away from heat and incompatible materials.