

TMB 061 – POTASSIUM CHLORIDE (Molecular Biology Grade)

REF NO: TBL/QA/SS/LC/TMB 061	STANDARD SPECIFICATION FOR POTASSIUM CHLORIDE (Molecular Biology Grade)	Rev. No: 03
Issue No: 04		Review Date: 06/02/2025
Issue Date: 07/02/2022		Product code: TMB 061

PRODUCT PROPERTIES

C.A.S Number	7447-40-7
Chemical Formula	KCl
Formula weight	74.55
Functional Uses	Potassium Chloride used for the preparation of phosphate buffered saline, and for the extraction and solubilization of proteins.
Standard Packaging	500 gm.

PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	White crystalline powder.
Solubility & Clarity	Soluble in water.

CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
pH (1M in H ₂ O at 25°C)	5.0 – 8.0
Iron (Fe)	NMT – 0.005%
Calcium (Ca)	NMT – 0.005%
Zinc (Zn)	NMT – 0.005%
Sulphate (SO ₄)	NMT – 0.01%
Lead (Pb)	NMT – 0.0005%
Phosphate (PO ₄)	NMT – 0.0005%
DNases/RNases	None detected
Assay	NLT – 99.0%

NOTE: Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.

