

## Certificate of Analysis

Date of Testing: 2023-03-02 18:52:07  
Date of Next Testing: 2025-02-19 18:52:07  
Product Name: **Potassium chloride**  
CAS Number: 7447-40-7  
Specifications & Purity: for molecular biology,  $\geq 99.5\%$   
Lot #: B2327844  
SKU #: **P112143**  
**Analysis:** **154222**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(Titration by AgNO <sub>3</sub> )	99.5-100.5 (%)	99.82 %
Heavy metal (as Pb)	0-5 (ppm)	2.30 ppm
Water by Karl Fischer	0-2 (%)	1.20 %
Iron(Fe)	0-3 (ppm)	1.30 ppm
Appearance (P112143)	white powder	White powder
DNase, RNase and Protease	None Detected	none detected
Solubility in H <sub>2</sub> O , 20G/150MLwater	pass	Pass
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager