

## Certificate of Analysis

Date of Testing: 2022-03-11 10:22:58  
Date of Next Testing: 2024-02-29 10:22:58  
Product Name: **Potassium chloride**  
CAS Number: 7447-40-7  
Specifications & Purity: for molecular biology,  $\geq 99.5\%$   
Lot #: C2209218  
SKU #: **P112143**  
**Analysis:** **013045**  
Storage Temperature: Argon charged

| Parameter                                      | Limit Values          | Result                |
|--|-----------------------|-----------------------|
| Purity(Titration by AgNO <sub>3</sub> )        | 99.5-100.5 (%)        | 99.99%                |
| Heavy metal (as Pb)                            | 0-5 (ppm)             | 0.01 ppm              |
| Water by Karl Fischer                          | 0-2 (%)               | 0.20%                 |
| Iron(Fe)                                       | 0-3 (ppm)             | 0.00 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