

## Certificate of Analysis

Date of Testing: 2022-07-16 09:22:47  
Date of Next Testing: 2024-07-15 09:22:47  
Product Name: **Potassium chlorate**  
CAS Number: 3811-04-9  
Specifications & Purity: Analytical Reagent,99.5%  
Lot #: G2213185  
SKU #: **P112369**  
**Analysis:** **105624**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Total Nitrogen	0-0.001 (%)	0.00 %
Iron(Fe)	0-0.0003 (%)	0.00 %
Sodium(Na)	0-0.01 (%)	0.01 %
Assay	99.5-100 (%)	99.53 %
(BrO <sub>3</sub> )Bromate	0-0.01 (%)	0.01 %
Heavy metal (as Pb)	0-0.0005 (%)	0.00 %
Insoluble matter in H <sub>2</sub> O	0-0.005 (%)	0.00 %
Chloride (Cl <sup>-</sup> )	0-0.001 (%)	0.00 %
Calcium(Ca)	0-0.002 (%)	0.00 %
Magnesium(Mg)	0-0.001 (%)	0.00 %
Sulfate(SO <sub>4</sub> <sup>2-</sup> )	0-0.002 (%)	0.00 %
(As)Arsenic	0-0.5 (ppm)	0.31 ppm
Clarity of solution , ≤2#	Pass	Pass
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager