

Certificate of Analysis

Product Name:

Potassium carbonate - ACS reagent, ≥99.0%

Product Number: 209619
Batch Number: SLCH4504
 Brand: SIGALD
 CAS Number: 584-08-7
 MDL Number: MFCD00011382
 Formula: CK2O3
 Formula Weight: 138.21 g/mol
 Quality Release Date: 25 SEP 2020
 Recommended Retest Date: SEP 2023



Test	Specification	Result
Assay	≥ 99.0 %	100.2 %
Titration by HCL		
Insoluble Matter	≤ 0.01 %	0.00 %
Chloride Content	≤ 0.003 %	< 0.003 %
Silica	≤ 0.005 %	< 0.005 %
Phosphate (PO4)	≤ 0.001 %	< 0.001 %
Sulfur Compounds	≤ 0.004 %	< 0.004 %
Calcium (Ca)	≤ 0.005 %	0.001 %
Magnesium (Mg)	≤ 0.002 %	0.001 %
Sodium (Na)	≤ 0.02 %	0.02 %
Iron (Fe)	≤ 5 ppm	< 5 ppm
Heavy Metals ((by ICP-OES)	< = 5 ppm	< = 5 ppm
Meets ACS Requirements	Current ACS Specification	Conforms



Brian Dulle, Supervisor
 Quality Assurance
 St. Louis, Missouri US

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

