

Certificate of Analysis

Product Name:

Potassium bromide – ACS reagent, ≥99.0%

Product Number: 243418
Batch Number: MKCP3973
Brand: SIGALD
CAS Number: 7758-02-3
MDL Number: MFCD00011358
Formula: BrK
Formula Weight: 119.00 g/mol
Quality Release Date: 11 MAY 2021

KBr

Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Conforms to Requirements	Crystals
Crystals, Crystalline Powder, Crystalline Solid and/or Chunks		
X-Ray Diffraction	Conforms to Structure	Conforms
Titration by AgNO ₃ %KBr	≥ 99.0 %	99.5 %
Insoluble Matter C= 13.3%, H ₂ O	≤ 0.005 %	< 0.005 %
Barium	≤ 0.002 %	< 0.001 %
Bromate	≤ 0.001 %	< 0.001 %
Chloride Content	≤ 0.2 %	< 0.2 %
Iron (Fe)	≤ 5 ppm	< 1 ppm
Heavy Metals by ICP-OES	≤ 5 ppm	< 1 ppm
Iodide	≤ 0.001 %	< 0.001 %
Iodate	≤ 0.001 %	< 0.001 %
Sodium (Na)	≤ 0.02 %	< 0.01 %
Calcium (Ca)	≤ 0.002 %	< 0.001 %
Magnesium (Mg)	≤ 0.001 %	< 0.001 %
pH C= 5%, H ₂ O at 25 Degrees Celsius	5.0 - 8.8	5.1
Sulfate (SO ₄)	≤ 0.005 %	< 0.005 %

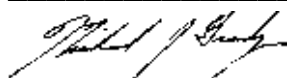
Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser 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.



Certificate of Analysis

Product Number: 243418
Batch Number: MKCP3973

Test	Specification	Result
Meets ACS Requirements	Current ACS Specification	Conforms



Michael Grady, Manager
Quality Control
Milwaukee, WI 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.

