

# Certificate of Analysis

Product Name:

Silver nitrate - ACS reagent, ≥99.0%



**Product Number:** 209139  
**Batch Number:** MKCR0415  
**Brand:** SIGALD  
**CAS Number:** 7761-88-8  
**MDL Number:** MFCD00003414  
**Formula:** AgNO<sub>3</sub>  
**Formula Weight:** 169.87 g/mol  
**Quality Release Date:** 10 FEB 2022  
**Recommended Retest Date:** JAN 2024

Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Crystals	Crystals
Appearance (Clarity)	Pass	Pass
X-Ray Diffraction	Conforms to Structure	Conforms
Titration by KSCN	≥ 99.0 %	99.4 %
Chloride (Cl)	≤ 5 ppm	< 5 ppm
Copper (Cu)	≤ 2 ppm	< 2 ppm
Free Acid	Pass	Pass
Iron (Fe)	≤ 2 ppm	< 2 ppm
Lead (Pb)	≤ 0.001 %	< 0.001 %
Substances not ppt. by HCl	≤ 0.01 %	< 0.01 %
Sulfate (SO <sub>4</sub> )	≤ 0.002 %	< 0.001 %
Meets ACS Requirements	Current ACS Specification	Conforms
Recommended Retest Period	-----	-----
2 Years		



Larry Coers, Director  
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](http://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.

