



Product Specifications: Silver(I) Nitrate #9007

Chemical Name:
Silver(I) nitrate

CMI Product Code:	9007	
CAS Number:	7761-88-8	
Formula:	AgNO ₃	AgNO ₃
Formula Weight:	169.88 g/mol	
Theoretical % Ag:	63.5	

PARAMETER

SPECIFICATION

Chemical Purity	> 99.5% (> 99.99% Ag)
Appearance	Colorless to white crystalline solid or powder
Ag assay	63.5 ± 0.3%
Chlorides	5 ppm max
Solubility	20 g in 100 ml water, no insoluble matter observed
Acidity	5 g in 20 ml water, add bromocresol green indicator, solution remains blue
Sulfates	< 20 ppm
Substances not precipitated by hydrochloric acid	< 0.01%
Trace metal impurities	Cu ≤ 2 ppm, Fe ≤ 2 ppm, Pd < 10 ppm, Na and Ni to be reported
Storage	Store in a tightly closed opaque container in a cool, dry place. Avoid exposure to light.

Reviewing Chemist: Peter B. Kettler, Ph.D. Technical Director

Specification Date: 12 September 2012

Colonial Metals warrants, that at the time of product release this product conformed to the information contained on this specification sheet. Purchaser must determine the suitability of the product for its particular use.