



**Product Specifications: Silver(I) Oxide #9008**

Chemical Name:  
Silver(I) oxide

CMI Product Code:	9008	
CAS Number:	20667-12-3	
Formula:	Ag <sub>2</sub> O	Ag <sub>2</sub> O
Formula Weight:	231.74 g/mol	
Theoretical % Ag:	93.1	

<b>PARAMETER</b>	<b>SPECIFICATION</b>
Chemical Purity	> 99.5% (> 99.93% Ag)
Appearance	dark gray to black microcrystalline solid
Ag assay	93.1 ± 0.3%
Chlorides	< 5 ppm
Nitrates	< 100 ppm
Sulfates	< 20 ppm
Carbonate	< 2000 ppm
Trace metal impurities	< 5 ppm (Cu, Fe, Ni, As, Pb, Fe, Na, K, Si)
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: 14 March 2013

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.