



**Product Specifications: Silver(I) Sulfate #9013**

Chemical Name:  
Silver(I) sulfate

|                   |                                 |                                 |
|-------------------|---------------------------------|---------------------------------|
| CMI Product Code: | 9013                            |                                 |
| CAS Number:       | 10294-26-5                      |                                 |
| Formula:          | Ag <sub>2</sub> SO <sub>4</sub> | Ag <sub>2</sub> SO <sub>4</sub> |
| Formula Weight:   | 311.81 g/mol                    |                                 |
| Theoretical % Ag: | 69.2                            |                                 |

| <b>PARAMETER</b>                   | <b>SPECIFICATION</b>   |
|------------------------------------|--|
| Chemical Purity                    | > 99.5% (> 99.95% Ag)  |
| Appearance                         | white to off white crystalline solid   |
| Ag assay                           | 64.2 ± 0.3%  |
| Nitrates                           | ≤ 10 ppm   |
| Insoluble matter and HCl           | < 20 ppm   |
| Substances nor precipitated by HCl | < 30 ppm   |
| Trace Metal Impurities             | < 500 ppm total metals with:<br><10 ppm Fe, < 5 ppm Cu,<br>< 5 ppm Pb<br>< 5 ppm Ni, < 5 ppm Zn,<br>< 5 ppm Cd |
| Storage:                           | Store in a tightly closed opaque container in a cool, dry place.   |

Reviewing Chemist: Peter B. Kettler, Ph.D. Technical Director  
Specification Date: 25 January 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.