



Product Specification

Chemical Name: Silver(I) carbonate

CMI Product Code: 9003

CAS Number: 534-16-7

Formula: Ag_2CO_3

Formula Weight: 275.75 g/mol

Theoretical % Ag: 78.2%

PARAMETER

SPECIFICATION

Ag Assay

78.2 ± 0.3% Ag w/w

Chemical Purity

> 99.5% (trace metal basis)

Trace Metal Impurities

< 500 ppm total metal impurities

< 10 ppm Fe & Cu

< 5 ppm Pb, Ni, Zn, Cd

Appearance

Yellow to Green crystalline solid

Storage

Store in a tightly closed opaque container in a cool, dry place. Avoid exposure to light. Only open container under UV filtered lighting.

Reviewing Chemist: Tyler Bazzoli, Lead Chemist: TB

Specification Approval: Dr. Ernest Addo, Ph.D., Director of Quality & Analytical Testing: EA

Specification Revision Date: August 9, 2016

Revision Level: 1

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.

Descriptive Statistics: %Metal, Chloride(ppm), Nitrate(ppm), Sulfate(ppm)

Variable	N	N*	Mean	SE Mean	StDev	Minimum	Q1	Median	Q3	Maximum
%Metal	60	4	76.445	0.389	3.012	65.920	75.855	78.140	78.218	78.520
Chloride (ppm)	6	35	30.33	7.35	18.00	11.00	16.25	28.50	40.50	63.00
Nitrate (ppm)	6	35	64.2	15.6	38.1	10.0	31.8	66.5	92.3	120.0
Sulfate (ppm)	6	35	6.83	1.25	3.06	2.00	4.25	7.00	10.00	10.00

