



Product Specification

Chemical Name: 2,2,6,6-Tetramethyl-3,5-heptanedionato silver(I)

CMI Product Code: 9029

CAS Number: 79827-25-1

Formula: C₁₁H₁₉AgO₂

Formula Weight: 291.14 g/mol

Theoretical Ag %: 37.1%

PARAMETER

SPECIFICATION

Ag Assay	37.1 ± 1.0 %
Chemical Purity	≥ 98% (based on Carbon %)
Infrared Spectrum	Conforms to structure
Microanalysis	Carbon: 45.4 ± 0.9 %
Trace Metal Impurities	< 1000 ppm total
Appearance	White to off-white solid

Reviewing Chemist: Dr. Bryan Frauhiger, Ph.D., Organometallic Technical Director: BEF

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

Specification Revision Date: September 26th, 2021

Revision Level: 0

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.