



Product Specification

Chemical Name: (Trimethyl)cyclopentadienylplatinum(IV)

CMI Product Code: 6109

CAS Number: 1271-07-4

Formula: $(\text{CH}_3)_3(\text{C}_5\text{H}_5)\text{Pt}$

Formula Weight: 305.28 g/mol

Theoretical Pt %: 63.9%

PARAMETER

SPECIFICATION

Pt Assay	63.9 ± 1.0 %
Chemical Purity	≥ 98% (based on Carbon %)
Infrared Spectrum	Conforms to structure
Microanalysis	Carbon: 31.5 ± 0.6%
¹H NMR	Conforms to structure
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.

Colonial Metals, Inc. 505 Blue Ball Rd. Bldg. 20 Triumph Industrial Park Elkton, MD 21921 USA
Website: www.colonialmetals.com, Telephone: (410)-398-7200, Facsimile: (410) 398-2918