



Product Specification

Chemical Name: [4-(Di-tert-butylphosphino)-N,N-dimethylaniline-2-(2'-aminobiphenyl)]palladium(II) methanesulfonate

APhos Pd G3

CMI Product Code: 5158

CAS Number: 1820817-64-8

Formula: C₂₉H₄₁N₂O₃PPdS

Formula Weight: 635.11 g/mol

Theoretical Pd %: 16.8%

PARAMETER	SPECIFICATION
Pd Assay	16.8 ± 1.0 %
Chemical Purity	≥ 97% (based on Carbon %)
Infrared Spectrum	Conforms to structure
Microanalysis	Carbon: 54.8 ± 1.6 %
¹ H NMR	Conforms to structure
³¹ P NMR	Conforms to structure
Appearance	White to light-yellow 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