



Product Specification

Chemical Name: JohnPhos Pd G3 Diethyl ether adduct

CMI Product Code: 5164

CAS Number: N/A

Formula: $C_{33}H_{39}NO_3PPdS \cdot C_4H_{10}O$

Formula Weight: 741.26 g/mol

Theoretical Pd %: 14.4%

PARAMETER	SPECIFICATION
Pd Assay	14.4 ± 1.0 %
Chemical Purity	≥ 95% (based on 1H and ^{31}P NMR, excluding solvent)
Et ₂ O content	0.5 – 1.5 molar ratio contained
Infrared Spectrum	Conforms to structure
1H NMR	Conforms to structure
^{31}P NMR	Conforms to structure
Appearance	Off-white to beige to yellow powder

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