



Product Specification

Chemical Name: (2-Dicyclohexylphosphino-2',6'-diisopropoxy-1,1'-biphenyl)[2-(2'-amino-1,1'-biphenyl)]palladium(II) methanesulfonate

RuPhos Pd G3

CMI Product Code: 5162

CAS Number: 1445085-77-7

Formula: C₄₃H₅₆NO₅PPdS

Formula Weight: 836.37 g/mol

Theoretical Pd %: 12.7%

PARAMETER	SPECIFICATION
Pd Assay	12.7 ± 1.0 %
Chemical Purity	≥ 97% (based on ¹ H and ³¹ P NMR)
Microanalysis	Carbon: 61.8 ± 1.9 %
Infrared Spectrum	Conforms to structure
¹ H NMR	Conforms to structure
³¹ P NMR	Conforms to structure
Appearance	Off-white to yellow to brown 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.

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