



Product Specification

Chemical Name: Chloro-(2-Dicyclohexylphosphino-2',6'-diisopropoxy-1,1'-biphenyl)[2-(2-aminoethyl)phenyl]palladium(II) Methyl-tert-butyl adduct

RuPhos Pd G1 MTBE Adduct

CMI Product Code: 5146

CAS Number: 2361069-97-6

Formula: $C_{38}H_{53}ClNO_2PPd \cdot CH_3OC_4H_9$

Formula Weight: 728.69 g/mol (816.83 g/mol adduct)

Theoretical Pd %: 14.6% (13.0% adduct)

PARAMETER	SPECIFICATION
Pd Assay	13.0 ± 1.0 %
Chemical Purity	$\geq 95\%$ (based on 1H and ^{31}P NMR)
MTBE 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	White to beige to light 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.

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