



## Product Specification

**Chemical Name:** [(2-Di-tert-butylphosphino-2',4',6'-triisopropyl-1,1'-biphenyl)-2-(2'-amino-1,1'-biphenyl)] palladium(II) methanesulfonate

tBuXPhos Pd G3

**CMI Product Code:** 5140

**CAS Number:** 1447963-75-8

**Formula:** C<sub>42</sub>H<sub>58</sub>NO<sub>3</sub>PPdS

**Formula Weight:** 794.37 g/mol

**Theoretical Pd %:** 13.4 %

<b>PARAMETER</b>	<b>SPECIFICATION</b>
<b>Pd Assay</b>	13.4 ± 1.0 %
<b>Infrared Spectrum</b>	Conforms to structure
<b><sup>1</sup>H NMR</b>	Conforms to structure >95% Purity (excluding residual solvent)
<b><sup>31</sup>P NMR</b>	Conforms to structure
<b>Residual Solvent</b>	Report (Typically <10%)
<b>Appearance</b>	Yellow to brown powder

**Reviewing Chemist:** Dr. Bryan Frauhiger, Ph.D., Organometallic Technical Director: BFF

**Specification Approval:** Dr. Ernest Addo, Ph.D., Director of Quality & Analytical Testing: EA

**Specification Revision Date:** July 30<sup>th</sup>, 2021

**Revision Level:** 1