

# Chem-Impex International, Inc.

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825 Dillon Drive

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## Certificate of Analysis

<b>Catalogue Number</b>	04833
<b>Product</b>	<b>Tetrakis(triphenylphosphine)palladium(0)</b>
<b>Lot Number</b>	002164-5094-173003 Pd(PPh <sub>3</sub> ) <sub>4</sub>
<b>CAS Number</b>	14221-01-3
<b>Molecular Formula</b>	[(C <sub>6</sub> H <sub>5</sub> ) <sub>3</sub> P] <sub>4</sub> Pd
<b>Molecular Weight</b>	1155.58

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<b>Appearance</b>	Yellow solid
<b>Elemental Analysis (Found)</b>	C = 75.2%, H = 5.1%
<b>Infrared Spectrum</b>	Conforms to structure
<b>Assay</b>	100.48% (Based on Carbon, 9% Pd)
<b>Application</b>	Pd(PPh <sub>3</sub> ) <sub>4</sub> is widely used as a catalyst for palladium-catalyzed coupling reactions. Prominent applications include the Heck reaction, Suzuki coupling, Stille coupling, Sonogashira coupling, and Negishi coupling.
<b>Storage</b>	Store at -20 °C. Store under Argon.
<b>Remarks</b>	See material safety data sheet for additional information  For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



**Bala Kumar**  
Quality Control Manager