



## Product Specification

**Chemical Name:** Potassium TetracyanoPalladate (II) Hydrate

**CMI Product Code:** 5055

**CAS Number:** 14516-46-2

**Formula:**  $K_2Pd(CN)_4 \cdot xH_2O$

**Formula Weight:** 288.7 g/mol (anhydrous)

**Theoretical % Pd:** 36.9% (anhydrous)

### PARAMETER

### SPECIFICATION

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<b>Pd Assay</b>	$32.5 \pm 1.5\%$
<b>Chemical Purity</b>	> 99.0% (metals basis)
<b>Microanalysis</b> :	Carbon: $14.5 \pm 1.5\%$ Nitrogen: $16.9 \pm 1.8\%$
<b>Appearance</b>	White crystalline powder
<b>Storage</b>	Store in a tightly closed container in a cool, dry place

**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:** February 19<sup>th</sup>, 2016

**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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