



Product Specification

Chemical Name: Tricyclohexylphosphine(1,5-cyclooctadiene)(pyridine)iridium(I) hexafluorophosphate, "Crabtree's Catalyst"

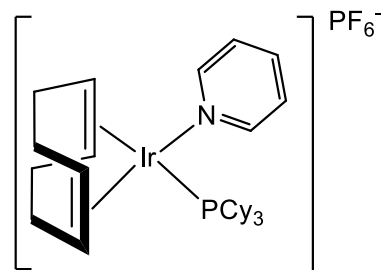
CMI Product Code: 3048

CAS Number: 64536-78-3

Formula: $[(C_6H_{11})_3P)(C_8H_{12})(C_5H_5N)Ir]PF_6$

Formula Weight: 804.90 g/mol

Theoretical Ir %: 23.9%



PARAMETER

SPECIFICATION

Ir Assay	23.9 ± 0.6%
Chemical Purity	> 98.5% (based on carbon %)
Microanalysis	Carbon: 46.27 ± 0.7% Hydrogen: 6.26 ± 0.6% Nitrogen: 1.74 ± 0.6%
Infrared Spectrum	Conforms to structure
Appearance	Orange solid
Storage	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: October 8th, 2014

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.