



## Product Specification

**Chemical Name:** Methylcyclopentadienyl(1,5-cyclooctadiene)iridium(I)

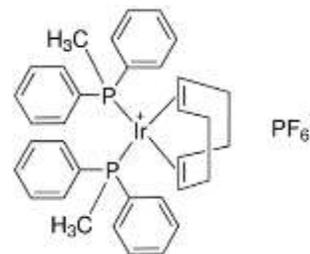
**CMI Product Code:** 3049

**CAS Number:** 38465-86-0

**Formula:**  $[\text{Ir}(\text{C}_8\text{H}_{12})(\text{PC}_{13}\text{H}_{13})_2]\text{PF}_6$

**Formula Weight:** 845.80 g/mol

**Theoretical Ir %:** 22.73%



### PARAMETER

### SPECIFICATION

**Ir Assay**

$22.73 \pm 0.6\%$

**Chemical Purity**

$\geq 98\%$  (based on carbon %)

**Microanalysis**

Carbon:  $48.28 \pm 1.0\%$   
Hydrogen:  $4.53 \pm 0.4\%$

**Infrared Spectrum**

Conforms to structure

**Appearance**

Red powder

**Storage**

Store in a tightly sealed amber glass bottle in a cool dry location.

**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:** November 22<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.

Colonial Metals, Inc. 505 Blue Ball Rd. Bldg. 20 Triumph Industrial Park Elkton, MD 21921 USA  
Website: [www.colonialmetals.com](http://www.colonialmetals.com), Telephone: (410)-398-7200, Facsimile: (410) 398-2918