



Product Specification

Chemical Name: Di- μ -methoxobis(1,5-cyclooctadiene)diiridium(I)

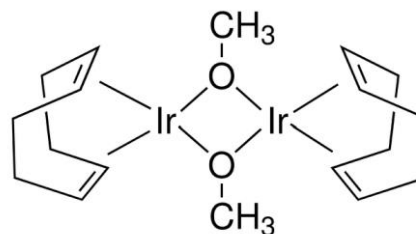
CMI Product Code: 3060

CAS Number: 12148-71-9

Formula: $[\text{Ir}(\text{OCH}_3)(\text{C}_8\text{H}_{12})]_2$

Formula Weight: 662.86 g/mol

Theoretical Ir %: 58.0%



PARAMETER

SPECIFICATION

Ir Assay

58.0 ± 0.9%

Chemical Purity

> 97.5% (based on carbon %)

Microanalysis

Carbon: 32.60 ± 0.8%
Hydrogen: 4.56 ± 0.6%
Chlorine: < 0.5%

¹H NMR

Conforms to structure

Infrared Spectrum

Conforms to structure

Appearance

Mustard yellow solid

Storage

Store < -20°C in amber glass under an inert atmosphere

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.