



## Product Specification

**Chemical Name:** Pentamethylcyclopentadienyliridium(III) chloride dimer

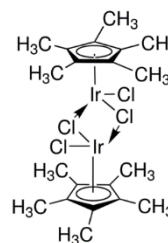
**CMI Product Code:** 3054

**CAS Number:** 12354-84-6

**Formula:**  $[(C_{10}H_{15})Cl_2Ir]_2$

**Formula Weight:** 796.70 g/mol

**Theoretical Ir %:** 48.3%



### PARAMETER

### SPECIFICATION

<b>Ir Assay</b>	48.3 ± 0.8%
<b>Chemical Purity</b>	≥ 97% (based on carbon %)
<b>Microanalysis</b>	Carbon: 30.2 ± 0.9%
<b>Infrared Spectrum</b>	Conforms to structure
<b>Appearance</b>	Orange to red to orange-red crystals or powder
<b>Storage</b>	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:** December 16<sup>th</sup>, 2021

**Revision Level:** 1

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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