



Product Specification

Chemical Name: Tetrairidium(0) dodecacarbonyl

CMI Product Code: 3070

CAS Number: 18827-81-1

Formula: Ir₄(CO)₁₂

Formula Weight: 1105.0 g/mol

Theoretical Ir %: 69.6%

PARAMETER	SPECIFICATION
Ir Assay	69.6 ± 1.0%
Chemical Purity	≥ 98.5% (based on Ir assay)
Microanalysis	Carbon: 13.0 ± 0.6%
Infrared Spectrum	Conforms to structure
Appearance	Yellow to yellow-green solid
Storage	Store cold 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: January 8th, 2024

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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