



Product Specification

Chemical Name: Bis(2,2-bipyridyl)dichloroosmium(II)

CMI Product Code: 4024

CAS Number: 15702-72-4

Formula: $(C_{10}H_8N_2)_2OsCl_2$



Formula Weight: 573.50 g/mol

Theoretical Os%: 33.2%

PARAMETER

SPECIFICATION

Os Assay

$33.2 \pm 0.6\%$

Chemical Purity

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

Microanalysis

Carbon: $41.89 \pm 0.84\%$
Hydrogen: $2.81 \pm 0.40\%$

Infrared Spectrum

Conforms to structure

Appearance

Purple to brown-black solid crystals

Storage

Store in a tightly sealed container 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: October 8th, 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.