



Product Specification

Chemical Name: Chloro(pentamethylcyclopentadienyl) ruthenium (II) tetramer

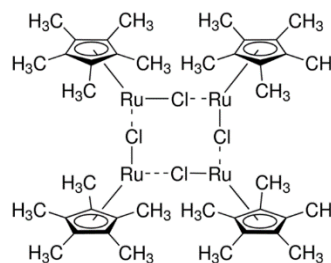
CMI Product Code: 8082

CAS Number: 113860-07-4

Formula: $[(C_{10}H_{15})RuCl]_4$

Formula Weight: 1,087.0 g/mol

Theoretical Ru %: 37.2%



PARAMETER

SPECIFICATION

Ru Assay

$37.2 \pm 0.6\%$

Chemical Purity

$\geq 98.0\%$ (based on carbon %)

Microanalysis

Carbon: $44.2 \pm 0.9\%$

Hydrogen: $5.6 \pm 0.3\%$

Infrared Spectrum

Conforms to structure

Appearance

Dark orange-red to dark red-brown crystals

Storage

Air and moisture sensitive. Store under inert gas in a tightly sealed container. Store cold ($\leq 8^\circ\text{C}$).

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: February 29th, 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.

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