



Product Specification

Chemical Name: Potassium hexacyano ruthenate

CMI Product Code: 8050

CAS Number: 15002-31-0

Formula: $K_4[Ru(CN)_6].xH_2O$

Formula Weight: 413.57 g/mol (anhydrous)

Theoretical Ru %: 24.4% (anhydrous)

PARAMETER

SPECIFICATION

Ru Assay

$23.6 \pm 0.4\%$

Chemical Purity

> 98.0% (based on Carbon %)

Microanalysis

Carbon: $16.4 \pm 0.3\%$

Nitrogen: $19.4 \pm 0.4\%$

X-Ray Diffraction

Conforms to Structure

Appearance

White to light grey powder

Storage

Store in a tightly sealed container. Store product cold (2-8°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.