



Product Specification

Chemical Name: Hexaammine Ruthenium (II) Chloride

CMI Product Code: 8013

CAS Number: 15305-72-3

Formula: $[(\text{NH}_3)_6\text{Ru}]\text{Cl}_2$

Formula Weight: 274.16 g/mol

Theoretical Ru %: 36.9%

PARAMETER

SPECIFICATION

Ru Assay

$36.9 \pm 0.4\%$

Chemical Purity

$> 99\%$

Microanalysis

Hydrogen: $6.6 \pm 0.5\%$

Nitrogen: $30.7 \pm 0.5\%$

Chlorine: $25.9 \pm 0.5\%$

Infrared Spectrum

Conforms to Structure

Appearance

Light orange to brown crystals

Storage

Air sensitive. Store in a tightly sealed container under inert gas. Refrigerated storage (2-8°C) recommended.

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.