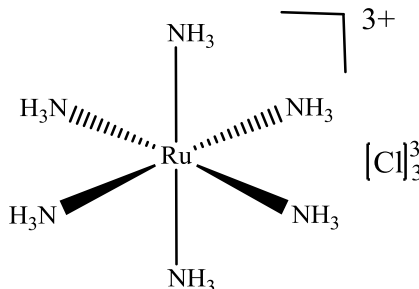




**Product Specifications: Hexaammineruthenium(III) chloride #8015**

Chemical Name:  
Hexaammineruthenium(III) chloride

CMI Product Code: 8015  
 CAS Number: 14282-91-8  
 Formula:  $[\text{Ru}(\text{NH}_3)_6]\text{Cl}_3$   
 Formula Weight: 309.61 g/mol  
 Theoretical % Ru: 32.6



**PARAMETER**

**SPECIFICATION**

Chemical Purity	> 99%
Appearance	off white to pale yellow microcrystalline solid
Ru assay	$32.6 \pm 0.5\%$
Microanalysis	$27.14 \pm 0.6\%$ N $5.86 \pm 0.6\%$ H $34.35 \pm 0.6\%$ Cl
Solubility	3.1 g in 500 ml H <sub>2</sub> O, clear solution
Infrared Spectrum	conforms to structure
Storage:	Store cold in a tightly closed container in a cool dry place. Shelf life 24-30 months.

Reviewing Chemist: Peter B. Kettler, Ph.D. Technical Director

Specification Date: 12 October 2012

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.