



**Product Specifications: Ruthenium(III) chloride hydrate #8002**

Chemical Name:  
Ruthenium(III) chloride hydrate

CMI Product Code:	8002	
CAS Number:	14898-67-0	
Formula:	$\text{RuCl}_3 \cdot x\text{H}_2\text{O}$	$\text{RuCl}_3 \cdot x\text{H}_2\text{O}$
Formula Weight:	261.49 g/mol (x = 3)	
Theoretical % Ru:	38.7 (x = 3)	

PARAMETER	SPECIFICATION
Metal Purity	> 99.6%
Appearance	brown hygroscopic crystalline solid
Ru assay	$40.5 \pm 2.5\%$
Insoluble material	< 1000 ppm in water and butanol
Trace Metal impurities	< 800 ppm Na and K < 1000 ppm platinum group metals < 2000 ppm other metallic impurities
Storage:	Store in a tightly closed container in a cool dry place.

Reviewing Chemist: Peter B. Kettler, Ph.D. Technical Director  
Specification Date: 6 December 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.