



Product Specification

Chemical Name: Ruthenium (III) Chloride Hydrate

CMI Product Code: 8002

CAS Number: 14898-67-0

Formula: $\text{RuCl}_3 \cdot x\text{H}_2\text{O}$

Formula Weight: 207.43 g/mol

Theoretical Ru%: 48.7% (anhydrous)

PARAMETER	SPECIFICATION
Ru Assay	$40.5 \pm 2.5\%$
Chemical Purity	$> 99\%$
Sodium	$\leq 0.1\%$
Insolubles in Water	$\leq 0.1\%$
Insolubles in Butanol	$\leq 0.1\%$
Total PGMs	$\leq 0.1\%$
Total Base Metals	$\leq 0.1\%$
Appearance	Dark Grey hygroscopic crystalline solid
Storage	Keep container tightly closed in a dry and well-ventilated place.

Reviewing Chemist: Doug Portrey, Plant Engineer: *DP*

Specification Approval: Dr. Ernest Addo, Ph.D., Director of Quality & Analytical Testing: *EA*

Specification Revision Date: January 7th, 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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