

Date Prepared 11-23-05	Revised By: Initial	Date Revised Initial	Approved By: PK	Reviewed QA: WS
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TYPICAL SPECIFICATION

PRODUCT: Pentaamminechlororuthenium(III)
Dichloride
[CAS# 18532-87-1]

CMI PRODUCT NO. 8018

FORMULA: $[\text{Ru}(\text{NH}_3)_5\text{Cl}]\text{Cl}_2$

FORMULA WEIGHT: 292.58

THEORETICAL % Ru: 34.5

TEST REQUIREMENT

Appearance yellow/orange crystalline solid

Chemical Purity: 97%

Ru assay $34.54 \pm 1.0 \%$

Microanalysis: $23.94 \pm 0.7 \%$ N;
 $5.17 \pm 0.6 \%$ H
 $36.35 \pm 1.1 \%$ Cl

IR: Matches that of authentic sample
(diagnostic $\nu_{\text{sym}}(\text{NH}_3)$ at 1290 cm^{-1})

Storage: Store in a tightly closed container in
a cool, dry place.

Prepared By: Peter Kettler, Ph.D.
Director of Research and Development
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