

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

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.

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Date: November 23, 2005

