

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:	[Ru(NH ₃) ₅ Cl]Cl ₂
FORMULA WEIGHT:	292.58
THEORETICAL % Ru:	34.5
<u>TEST</u>	<u>REQUIREMENT</u>
Appearance	yellow/orange crystalline solid
Chemical Purity:	97%
Ru assay	34.54 ± 1.0 %
Microanalysis:	23.94 ± 0.7 % N; 5.17 ± 0.6 % H 36.35 ± 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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