

Certificate of Analysis

Product Name	Ruthenium red (Ruthenium red (9Cl, Acl); Ammoniated ruthenium oxychloride)
Catalog No.	V71469
Batch No.	V7146901

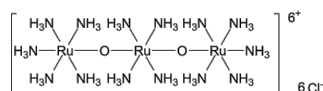
1. Physical and Chemical Properties

Appearance	Brown to black (Solid)
Molecular Formula	C ₁₆ H ₄₂ N ₁₄ O ₂ Ru ₃
Molecular Weight	786.35
Purity	≥98%
CAS No.	11103-72-3
Production Date	
Retest Date	2028-10-12

2. Analytical Data

Test Item	Specification	Result
Ru Content	≥34%	=38.5%

3. Structure



4. Storage Condition

Storage Condition	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month
Note: This product requires protection from light (avoid light exposure) during transportation and storage.			

Products are for research use only • Not for human or veterinary use