

Certificate of Analysis

Product Name: Ruthenium(III) chloride hydrate(1:x)
Cat. No.: GB60826
Batch No.: 1
Chemical Name:

PHYSICAL AND CHEMICAL PROPERTIES

Cas. No.: 14898-67-0
Molecular Formula: $\text{RuCl}_3 \cdot x\text{H}_2\text{O}$
Molecular Weight: 207.43 (anhydrous basis)
Storage: 2-8°C, protect from light, stored under nitrogen

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

ANALYTICAL DATA	Specification	Result
Appearance:		A solid
Magnesium(Mg), $\omega/\%$:	≤ 0.006	Qualified
Calcium(Ca), $\omega/\%$:	≤ 0.012	Qualified
Iron(Fe), $\omega/\%$:	≤ 0.012	Qualified
Copper(Cu), $\omega/\%$:	≤ 0.006	Qualified
N-butanol Insoluble, $\omega/\%$:	≤ 0.5	Qualified
Ruthenium(Ru), $\omega/\%$:	35.0-38.0	37.02
Palladium(Pd), $\omega/\%$:	≤ 0.01	Qualified
Sodium(Na), $\omega/\%$:	≤ 0.012	Qualified
Purity, $\omega/\%$:	≥ 98	99.03
Conclusion:	The product has been tested and complies with the given specifications.	

Caution: Product has not been fully validated for medical applications. For research use only.

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