

# *Chem-Impex International, Inc.*

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## *Product Specifications*

$[(\text{NH}_3)_5\text{RuORu}(\text{NH}_3)_4\text{ORu}(\text{NH}_3)_5]\text{Cl}_6$

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<b>Catalogue Number</b>	38508
<b>Product</b>	<b>Ruthenium red</b>
<b>CAS Number</b>	11103-72-3
<b>Molecular Formula</b>	$6\text{Cl}\cdot\text{O}_2\text{Ru}_3\cdot 14\text{NH}_3$
<b>Molecular Weight</b>	786.36

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<b>Appearance</b>	Brownish red powder
<b>Solubility</b>	Soluble (10 mg/mL in water)
<b>Cation</b>	Palladium (Pd) : $\leq 0.005\%$ Rhodium (Rh) : $\leq 0.005\%$
<b>UV Ratios</b>	Absorption maximum $\lambda$ max : 530 - 540 nm Extinction (1% 1cm) : 200 - 700 nm Absorbance A ( $\lambda$ max C=10 mg/L in water, 1cm) : $\geq 0.2$
<b>Assay</b>	$\geq 99\%$
<b>Purity</b>	$\geq 88\%$ (Ruthenium content : $\geq 34\%$ )
<b>Storage</b>	Store at RT

**For Laboratory Use Only**