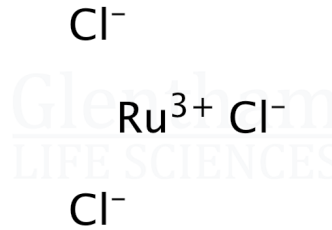


Certificate of Analysis

Product Name	Ruthenium(III) chloride hydrate, 99.95+% (metals basis)
Glentham Code	GX1927
CAS Number	14898-67-0
MDL Number	MFCD00149844
Batch Number	335QLR
Molecular Weight	207.43
Molecular Formula	$\text{RuCl}_3 \cdot x\text{H}_2\text{O}$
Storage Temp.	+20°C



Property	Specification	Batch 335QLR
Physical Description	Black or grey powder	Conforms
Metal Analysis	Reported	(ppm) Rh+Pd+Ir+Pt : ≤ 0, Al+Ca+Mg+Si: ≤ 0, Os: ≤ 30, Cu: ≤ 20, Fe: ≤ 20, Na: 62, K: 55
Ruthenium (Ru)	40.0 - 50.0 %	41.11%
Purity (Trace Metals Basis)	≥ 99.95%	Conforms
Specification Version	v1.0	
Manufacture Date	2022-05-10	
Re-Test Date	2029-04-25	

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glentham.com or contact us using the details above for the current version of this document.

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