

# Certificate of analysis

**Ruthenium(III) chloride hydrate, 99.9% (PGM basis), Ru 38% min**

**Stock Number: 11043**  
**Lot Number: E20U015**

## Analysis

Ru (limits)	38.000 – 44.500 %
Ru (found)	38.570 %
Na	0.02%
Insolubles in 10 % HCl	0.04%

Pt	ND	Au	ND	Sb	NM	Si	ND	Ti	ND
Pd	ND	Ag	ND	Mn	ND	Fe	60	Co	ND
Rh	ND	Cd	36	Mg	ND	Bi	ND	Ni	ND
Ir	39	As	ND	Pb	ND	Mo	ND	Al	24
Ru	Major	Te	ND	Sn	ND	Cu	ND	Ca	30
Os	35	B	ND	Cr	ND	Zn	19	Zr	NM

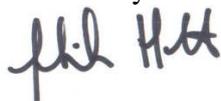
Values given in ppm unless otherwise noted

Analysis method: Spectrographic

ND: Not detected

NM: Not measured

Certified by:



Quality Control

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