

# Certificate of analysis

**Ruthenium(III) chloride hydrate, Premion<sup>®</sup>, 99.99% (metals basis)**

**Stock Number: 43364**  
**Lot Number: E12W030**

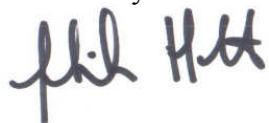
## Analysis

Ruthenium (theory, as RuCl <sub>3</sub> ·3H <sub>2</sub> O)	38.65 %
Ruthenium (found)	38.57 %
Purity	99.99 %

Pt	< 10	Pd	< 10	Rh	< 10
Ir	< 10	Os	6	Au	2
Ag	2	Mn	< 1	Mg	< 5
Sn	< 5	Al	< 10	Si	< 10
Fe	< 10	Cu	< 10	Zn	4
Ca	< 10				

Total impurities: < 100 ppm  
Values given in ppm unless otherwise noted

Certified by:



Quality Control

This document has been electronically generated and does not require a signature.