

Certificate of Analysis

Date of Testing: 2023-09-11 17:58:32
Date of Next Testing: 2027-09-10 17:58:32
Product Name: **Grubbs Catalyst, 2nd Generation**
CAS Number: 246047-72-3
Specifications & Purity: $\geq 99.95\%$ metals basis
Lot #: I2306626
SKU #: **G293909**
Version: **1**
Analysis #: **264012**
Storage Temperature: Store at 2-8°C, Protected from light, Argon charged

Parameter	Limit Values	Result
Carbon by Elemental Analysis	61.2-69 (%)	64.59%
Purity(Based On Trace Metals Analysis)	99.95-100 (%)	99.98%
Trace Metals Analysis	0-500 (ppm)	242.00000 ppm
Nitrogen by Elemental Analysis	3.1-3.5 (%)	3.21%
Appearance(G293909)	Dark red to brown crystals or powder	Dark red to brown crystals or powder
ICP: Confirms Ru Component	Confirmed	Confirmed
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager