

Certificate of Analysis

Date of Testing: 2022-01-26 15:36:10

Date of Next Testing: 2024-01-16 15:36:10

Product Name: **Tris(triphenylphosphine)ruthenium(II) dichloride**

CAS Number: 15529-49-4

Specifications & Purity: 98%

Lot #: E1802025

SKU #: **T111252**

Analysis: **070589**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Assay(Ru)	10.5-11.2 (%)	11.05 %
Iron(Fe)	0-0.005 (%)	0.00 %
Purity	98-100 (%)	98.22 %
Appearance (T111252)	brown to black to red to violet powder, crystals	brown to black to red to violet powder, crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager