

## Certificate of Analysis

Date of Testing: 2023-11-29 13:33:38  
Date of Next Testing: 2027-11-28 13:33:38  
Product Name: **Zirconocene dichloride**  
CAS Number: 1291-32-3  
Specifications & Purity: 98%  
Lot #: K2322297  
SKU #: **B124559**  
**Analysis:** **291754**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Zr (Gravimetric Analysis After Ignition To Oxide)	30.1-30.9 (%)	30.50%
Purity (Argentmetric Titration)	98-100 (%)	99.01%
Purity(Chelometric Titration)	98-100 (%)	98.10%
Appearance (B124559)	White to Beige Powder, Crystals and/or Chunks	White to Beige Powder, Crystals and/or Chunks
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager