

## Certificate of Analysis

Date of Testing: 2024-08-12 16:13:05  
Date of Next Testing: 2028-08-11 16:13:05  
Product Name: **Zirconium carbide**  
CAS Number: 12070-14-3  
Specifications & Purity: 50nm,99%  
Lot #: H2406228  
SKU #: **Z109303**  
Version: **0**  
Analysis #: **391859**

Parameter	Limit Values	Result
Average particle size	40-60 (nm)	50.00 nm
Zr(Gravimetric Analysis)	87-89.7 (%)	88.30 %
Appearance (Z109303)	Grey to Dark Grey Powder	Grey to Dark Grey Powder
ICP: Confirms Zirconium Component	Confirmed	Confirmed
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager