

## Certificate of Analysis

Date of Testing: 2022-09-16 12:34:22  
Date of Next Testing: 2026-09-15 12:34:22  
Product Name: **Zirconium(IV) oxide-yttria stabilized**  
CAS Number: 308076-80-4  
Specifications & Purity: 99.9% metals basis,  $\leq 1.0\mu\text{m}$   
Lot #: 12212466  
SKU #: **Z119242**  
**Analysis: 113617**

Parameter	Limit Values	Result
Stabilizer	7-9 (%)	8.50 %
Particle size	0-1 ( $\mu\text{m}$ )	0.05 $\mu\text{m}$
Trace Metal Analysis	0-2000 (ppm)	670.00 ppm
Purity(Based on Trace Metal Analysis Excluding Hafnium)	99.9-100 (%)	99.93 %
Appearance (Z119242)	White powder	White powder
ICP:Confirms Zirconium and Yttrium Components	Conforms	Conforms
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager