

Certificate of Analysis

Date of Testing: 2025-06-28 16:26:16

Date of Next Testing: 2025-12-25 16:26:16

Product Name: **Zirconium butoxide solution**

CAS Number: 1071-76-7

Specifications & Purity: 80 wt. % in n-butanol

Lot #: F2517625

SKU #: **Z106334**

Version: **1**

Analysis #: **518634**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Hydrolyzable Chloride	0-1000 (ppm)	0.53 ppm
Density (20°C)	1.06-1.08	1.07
Iron(Fe)	0-300 (ppm)	2.30 ppm
ZrO ₂ basis	27-29 (%)	28.54 %
Concentration(Chelometric Method)	80-86 (%)	85.83 %
Appearance (Z106334)	Colorless to Yellow Viscous Liquid	Colorless to Yellow Viscous Liquid
Solubility in EtOH , Clear, Colorless to Yellow	pass	Pass
Solvent(C ₄ H ₁₀ O)	Conform	Conform
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager