

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-03-04 15:02:12
Date of Next Testing: 2026-08-31 15:02:12
Product Name: **Zirconium butoxide solution**
CAS Number: 1071-76-7
Specifications & Purity: 80 wt. % in n-butanol
Lot #: H2514005
SKU #: **Z106334**
Version: **1**
Analysis #: **658876**
Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Hydrolyzable Chloride	0-1000 (ppm)	0.52000 ppm
Density (20°C)	1.06-1.08	1.06000
Iron(Fe)	0-300 (ppm)	2.30000 ppm
ZrO ₂ basis	27-29 (%)	28.53000 %
Concentration(Chelometric Method)	80-86 (%)	85.80000 %
Appearance (Z106334)	Colorless to Yellow Viscous Liquid	Colorless to Yellow Viscous Liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in EtOH , Clear, Colorless to Yellow	pass	Pass
Solvent(C ₄ H ₁₀ O)	Conform	Conform



John Su
QA & QC Manager