

Certificate of Analysis

Date of Testing: 2022-06-28 13:44:47
Date of Next Testing: 2022-12-25 13:44:47
Product Name: **Zirconium butoxide solution**
CAS Number: 1071-76-7
Specifications & Purity: 80 wt. % in n-butanol
Lot #: I2021063
SKU #: **Z106334**
Analysis: 106944
Storage Temperature: Argon charged

| Parameter | Limit Values | Result |
|---|------------------------------------|------------------------------------|
| Hydrolyzable Chloride | 0-1000 (ppm) | 324.00 ppm |
| Density (20°C) | 1.06-1.08 | 1.07 |
| Iron(Fe) | 0-300 (ppm) | 110.00 ppm |
| ZrO ₂ basis | 27-29 (%) | 27.60 % |
| Concentration(Chelometric Method) | 80-86 (%) | 82.50 % |
| 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 |



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