

## Certificate of Analysis

Date of Testing: 2022-05-13 11:56:15  
Date of Next Testing: 2022-11-09 11:56:15  
Product Name: **Titanium butoxide**  
CAS Number: 5593-70-4  
Specifications & Purity:  $\geq 99.0\%$   
Lot #: E2212003  
SKU #: **T104105**  
**Analysis:** **089717**  
Storage Temperature: Desiccated

Parameter	Limit Values	Result
Ignition Residue	23.2-24.5 (%)	23.61%
Refractive index n <sub>20/D</sub>	1.489-1.493	1.49
Density (20°C)	1-1.004	1.00
Ti(Gravimetric Analysis After Ignition to Oxide)	13.6-14.6 (%)	13.60%
Appearance (T104105)	Colorless to light yellow liquid or viscous liquid	Colorless to light yellow liquid or viscous liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



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QA & QC Manager