

## Certificate of Analysis

Date of Testing: 2024-08-13 16:52:47  
Date of Next Testing: 2025-02-09 16:52:47  
Product Name: **Titanium butoxide**  
CAS Number: 5593-70-4  
Specifications & Purity:  $\geq 99.0\%$   
Lot #: H2401091  
SKU #: **T104105**  
Version: **0**  
Analysis #: **391958**  
Storage Temperature: Argon charged, Desiccated

Parameter	Limit Values	Result
Ignition Residue	23.2-24.5 (%)	23.59%
Refractive index n <sub>20</sub> /D	1.489-1.493	1.49
Ti(Gravimetric Analysis After Ignition to Oxide)	13.6-14.6 (%)	13.82%
Density (20°C)	0.996-1.007	1.00
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



John Su  
QA & QC Manager