

## Certificate of Analysis

Date of Testing: 2022-03-07 14:18:51  
Date of Next Testing: 2022-09-03 14:18:51  
Product Name: **Titanium butoxide**  
CAS Number: 5593-70-4  
Specifications & Purity:  $\geq 99.0\%$   
Lot #: C2205056  
SKU #: **T104105**  
**Analysis:** **077762**  
Storage Temperature: Desiccated

Parameter	Limit Values	Result
Refractive index n <sub>20</sub> /D	1.489-1.493	1.49
Density (20°C)	1-1.004	1.00
Ignition Residue	23.2-24.5 (%)	23.22%
Ti(Gravimetric Analysis After Ignition to Oxide)	13.6-14.6 (%)	14.23%
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