

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-11-24 13:35:56
 Date of Next Testing: 2026-05-23 13:35:56
 Product Name: **Titanium butoxide(TNBT)**
 CAS Number: 5593-70-4
 Specifications & Purity: $\geq 99\%$
 Lot #: K2513358
 SKU #: **T104105**
 Version: **0**
 Analysis #: **584572**
 Storage Temperature: Room temperature, Argon charged, Desiccated, Cool

Parameter	Limit Values	Result
Ignition Residue	23.2-24.5 (%)	23.42000 %
Density (20°C)	0.996-1.007	0.99730
Refractive index n _{20/D}	1.489-1.493	1.49100
Ti(Gravimetric Analysis After Ignition to 13.6-14.6 (%) Oxide)		13.62000 %
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