

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-03-08 16:18:53
 Date of Next Testing: 2025-09-04 16:18:53
 Product Name: **Titanium butoxide(TNBT)**
 CAS Number: 5593-70-4
 Specifications & Purity: $\geq 99\%$
 Lot #: C2505131
 SKU #: **T104105**
 Version: **0**
 Analysis #: **475237**
 Storage Temperature: Room temperature, Argon charged, Desiccated, Cool

Parameter	Limit Values	Result
Refractive index n _{20/D}	1.489-1.493	1.49150
Ti(Gravimetric Analysis After Ignition to 13.6-14.6 (%) Oxide)		13.74000 %
Density (20°C)	0.996-1.007	0.99840
Ignition Residue	23.2-24.5 (%)	23.20000 %
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