

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-12-29 18:10:38
 Date of Next Testing: 2026-06-27 18:10:38
 Product Name: **Titanium butoxide(TNBT)**
 CAS Number: 5593-70-4
 Specifications & Purity: $\geq 99\%$
 Lot #: L2523214
 SKU #: **T104105**
 Version: **0**
 Analysis #: **604934**
 Storage Temperature: Room temperature, Argon charged, Desiccated, Cool

Parameter	Limit Values	Result
Refractive index n _{20/D}	1.489-1.493	1.49170
Density (20°C)	0.996-1.007	0.99810
Ignition Residue	23.2-24.5 (%)	24.48000 %
Ti(Gravimetric Analysis After Ignition to 13.6-14.6 (%) Oxide)		14.56000 %
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