

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-12-12 18:54:14

Date of Next Testing: 2025-06-10 18:54:14

Product Name: **Titanium butoxide(TNBT)**

CAS Number: 5593-70-4

Specifications & Purity: $\geq 99\%$

Lot #: K2428160

SKU #: **T104105**

Version: **0**

Analysis #: **438017**

Storage Temperature: Room temperature, Argon charged, Desiccated, Cool

Parameter	Limit Values	Result
Refractive index n _{20/D}	1.489-1.493	1.49120
Density (20°C)	0.996-1.007	0.99920
Ignition Residue	23.2-24.5 (%)	23.20000 %
Ti(Gravimetric Analysis After Ignition to 13.6-14.6 (%) Oxide)		13.61000 %
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