

## Certificate of Analysis

Date of Testing: 2022-09-13 16:01:31  
Date of Next Testing: 2023-03-12 16:01:31  
Product Name: **Titanium butoxide**  
CAS Number: 5593-70-4  
Specifications & Purity:  $\geq 99.0\%$   
Lot #: F2209356  
SKU #: **T104105**  
**Analysis:** **134101**  
Storage Temperature: Desiccated

| Parameter  | Limit Values                                       | Result   |
|--|--|--|
| Ignition Residue                                 | 23.2-24.5 (%)                                      | 23.49%   |
| Refractive index n <sub>20/D</sub>               | 1.489-1.493  | 1.49   |
| Ti(Gravimetric Analysis After Ignition to Oxide) | 13.6-14.6 (%)                                      | 13.72%   |
| Density (20°C)                                   | 1-1.004  | 1.00   |
| 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                              |



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