

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-04-29 15:12:21  
 Date of Next Testing: 2030-04-28 15:12:21  
 Product Name: **2-Thiobarbituric acid**  
 CAS Number: 504-17-6  
 Specifications & Purity: Moligand™, ≥98%  
 Lot #: D2621023  
 SKU #: **T108505**  
 Version: **0**  
 Analysis #: **627805**  
 Storage Temperature: Store at 2-8°C, Argon charged

| Parameter                      | Limit Values           | Result                 |
|--------------------------------|------------------------|------------------------|
| Purity(HPLC)                   | 98-100 (%)             | 100.00000 %            |
| Purity(Titration by 0.1M NaOH) | 98-102 (%)             | 100.52800 %            |
| Loss on drying                 | 0-2 (%)                | 0.00000 %              |
| Sulfur by Elemental Analysis   | 21.75-22.65 (%)        | 21.76000 %             |
| Appearance (T108505)           | White to Yellow Powder | White to Yellow Powder |
| Infrared spectrum              | Conforms to Structure  | Conforms to Structure  |



John Su  
QA & QC Manager