

Shanghai Aladdin Biochemical Technology Co., LTD  
809 Chuhua Branch Road, Fengxian District, Shanghai 201400, China

## Certificate of Analysis

Date of Testing: 2025-06-13 13:16:38  
Date of Next Testing: 2027-06-03 13:16:38  
Product Name: **Tetrabromophenol blue (TBPB)**  
CAS Number: 4430-25-5  
Specifications & Purity: high-purity, ≥95%(HPLC)  
Lot #: K2119660  
SKU #: **T100507**  
Version: **1**  
Analysis #: **513959**  
Storage Temperature: Argon charged

| Parameter                                                | Limit Values                       | Result                             |
|----------------------------------------------------------|------------------------------------|------------------------------------|
| Ignition Residue (as sulfate)                            | 0-0.1 (%)                          | 0.04000 %                          |
| Purity(HPLC)                                             | 95-100 (%)                         | 96.07200 %                         |
| Loss on drying                                           | 0-3 (%)                            | 0.04000 %                          |
| Absorbance(0.5 mg/dl, pH 4.6, 610.0 - 614.0 nm)          | >0.3                               | 0.43100                            |
| Appearance (T100507)                                     | White to yellow powder or crystals | White to yellow powder or crystals |
| Infrared spectrum                                        | Conforms to Structure              | Conforms to Structure              |
| PH Transition interval,pH3.0(Yellow-Green) - pH4.6(blue) | Conforms                           | Conforms                           |
| Proton NMR spectrum                                      | Conforms to Structure              | Conforms to Structure              |
| Solubility in EtOH , clear,7.5mg/ml                      | Pass                               | Pass                               |



John Su  
QA & QC Manager