

## Certificate of Analysis

Date of Testing: 2022-07-25 20:58:49

Date of Next Testing: 2024-07-14 20:58:49

Product Name: **Tetrabromophenol blue**

CAS Number: 4430-25-5

Specifications & Purity: high-purity, ≥95.0%(HPLC)

Lot #: G2221264

SKU #: **T100507**

**Analysis:** **093970**

Storage Temperature: Argon charged

| Parameter                                                | Limit Values                       | Result                             |
|----------------------------------------------------------|------------------------------------|------------------------------------|
| Absorbance(0.5 mg/dl, pH 4.6, 610.0 - 614.0 nm)          | > 0.3                              | 0.34                               |
| Ignition Residue (as sulfate)                            | 0-0.1 (%)                          | 0.05 %                             |
| Loss on drying                                           | 0-3 (%)                            | 2.00 %                             |
| Purity(HPLC)                                             | 95-100 (%)                         | 95.02000 %                         |
| 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