

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 (%)	0.04 %
Purity(HPLC)	95-100 (%)	96.07200 %
Loss on drying	0-3 (%)	0.04 %
Absorbance(0.5 mg/dl, pH 4.6, 610.0 - 614.0 nm)	>0.3	0.43
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