

Certificate of Analysis

Date of Testing: 2025-06-14 15:14:17

Date of Next Testing: 2027-06-04 15:14:17

Product Name: **Tetrabromophenol blue (TBPB)**

CAS Number: 4430-25-5

Specifications & Purity: high-purity, ≥95%(HPLC)

Lot #: F2510682

SKU #: **T100507**

Version: **1**

Analysis #: **516746**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Absorbance(0.5 mg/dl, pH 4.6, 610.0 - 614.0 nm)	>0.3	0.61
Ignition Residue (as sulfate)	0-0.1 (%)	0.03 %
Loss on drying	0-3 (%)	0.12 %
Purity(HPLC)	95-100 (%)	95.16000 %
Appearance (T100507)	White to yellow powder or crystals	White to yellow powder or crystals
PH Transition interval,pH3.0(Yellow-Green) - pH4.6(blue)	Conforms	Conforms
Solubility in EtOH , clear,7.5mg/ml	Pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager