

Certificate of Analysis

Date of Testing: 2025-03-13 11:19:41

Date of Next Testing: 2027-03-03 11:19:41

Product Name: **Tetrabromophenol blue**

CAS Number: 4430-25-5

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

Lot #: F2301497

SKU #: **T100507**

Version: **1**

Analysis #: **480546**

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 (%)	0.03 %
Purity(HPLC)	95-100 (%)	97.51200 %
Loss on drying	0-3 (%)	1.26 %
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