

Certificate of Analysis

Date of Testing: 2025-02-14 09:54:30

Date of Next Testing: 2027-02-04 09:54:30

Product Name: **Xylenol Blue**

CAS Number: 125-31-5

Specifications & Purity: $\geq 95\%$ (HPLC)

Lot #: E2309057

SKU #: **X111167**

Version: **0**

Analysis #: **471822**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Ignition Residue (as sulfate)	0-0.5 (%)	0.40 %
Absorbance(10 mg/L, pH 7.0, 433.0-437.0 nm)	>0.37	0.37
Purity(HPLC)	95-100 (%)	96.80000 %
Appearance (X111167)	brown powder	brown powder
PH Transition interval,(red)1.2 to 2.8(yellow)	Conforms	Conforms
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in EtOH(50vol%)	almost transparency	almost transparency
Visual Interval,(yellow)8.0 to 9.6(purplish blue)	Pass	Pass



John Su
QA & QC Manager