

Certificate of Analysis

Date of Testing: 2022-08-18 16:23:35

Date of Next Testing: 2024-08-07 16:23:35

Product Name: **Xylenol Blue**

CAS Number: 125-31-5

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

Lot #: H2211533

SKU #: **X111167**

Analysis: **101288**

Parameter	Limit Values	Result
Ignition Residue (as sulfate)	0-0.5 (%)	0.28 %
Absorbance(10 mg/L, pH 7.0, 433.0-437.0 nm)	> 0.37	0.82
Purity(HPLC)	95-100 (%)	96.59600 %
Appearance (X111167)	brown powder	brown powder
PH Transition interval,(red)1.2 to 2.8(yellow)	Conforms	Conforms
Solubility in EtOH(50vol%)	almost transparency	almost transparency
Visual Interval,(yellow)8.0 to 9.6(purplish blue)	Pass	Pass
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager