



Product Specification

Product Name: Xylenol blue
Cat #: X-040
CAS #: 125-31-5
Storage: Store desiccated at room temperature.

Test	Specifications
Color	deep brown
Form	powder or powder with lumps
Turbidity (0.04% in 0.001 mol/L NaOH)	≤7.0 NTU
Loss on Drying (110°C, 3h, vacuum)	≤2%
Visual Transition Interval	red at pH 0.7 - 1.7 yellow at pH 2.3 - 3.2 yellow at pH 7.5 - 8.5 blue at pH 9.1 - 10.1
UV Wavelength (0.01 g/L, in methanol)	418.0 - 426.0 nm
UV Wavelength (0.005 g/L in alkaline buffer NaOH/Na ₂ CO ₃)	591.0 - 599.0 nm
Specific Absorbance (1%/1 cm; at lambda max. in alkaline buffer NaOH/Na ₂ CO ₃)	≥700.0 L/(g cm)
Purity (HPLC)	≥95.0 area-%
FT-IR Spectrum	corresponds to reference spectrum

GOLD BIOTECHNOLOGY, INC. provides this Product Specification in good faith. Specifications are subject to change.

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