

Certificate of Analysis

Product Name: Xylenol blue
Cat #: X-040
CAS #: 125-31-5
Lot #: Lot Specific
Retest Date: Lot Specific
Storage:[†] Store at room temperature.

Test	Specs	Results
Color	deep brown	deep brown
Form	powder or powder with lumps	powder with lumps
Turbidity (0.04% in 0.001 mol/L NaOH)	max. 7.0 NTU	1.8 NTU
Loss on Drying (110°C, 3h, vacuum)	max. 2%	0.7%
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	corresponds corresponds corresponds corresponds
UV Wavelength (0.01 g/L, in methanol)	418.0 - 426.0 nm	423.0 nm
UV Wavelength (0.005 g/L in alkaline buffer NaOH/Na ₂ CO ₃)	591.0 - 599.0 nm	594.0 nm
Specific Absorbance (1%/1 cm; at lambda max. in alkaline buffer NaOH/Na ₂ CO ₃)	min. 700.0 L/(g cm)	899 L/(g cm)
Purity (HPLC)	min. 95.0 area-%	97.7 area-%
FT-IR Spectrum	corresponds to reference spectrum	corresponds

* Gold Biotechnology, Inc. provides this Certificate of Analysis in good faith and to the best of its knowledge. It should not be substituted for the user's own raw material quality control. This material is for laboratory use only.

† Storage at listed temperature applies to retest date (if shown) or two years from purchase date. Check label for long term storage conditions, which may extend the product beyond the retest date and/or greater than two years from purchase.

Gold Biotechnology, Inc.
 1328 Ashby Rd.
 St. Louis, MO 63132
P: (314)890-8778
F: (314)890-0503
E: contactgoldbio86@goldbio.com