

Certificate of Analysis

Product Name: Luminol, sodium salt
Cat #: L-145
CAS #: 20666-12-0
Lot #: Lot Specific
Retest Date: Lot Specific
Storage:[†] Store at room temperature.

Test	Specs	Results
Color	white to light green or yellow	slightly yellow
Form	crystalline powder	crystalline powder
Color of Solution (1% in water)	colorless to light yellow or green-yellow	slightly greenish yellow
Turbidity (1% in water)	max. 4.0 NTU	0.5 NTU
Water Content (K. Fischer)	max. 1.0%	1.0%
Perchloric Acid Titration (0.1 mol/L)	min. 95.0%	98.5%
Purity (HPLC)	min. 98.0 area-%	99.1 area-%
TLC (50 mg in 5 ml solvent system; 2propanol/ammonia/water 7:1:2; UV 254nm, van Urk)	corresponds to reference material	corresponds
UV Wavelength	344.0 to 350.0 nm	347.9 nm
UV Wavelength	297.0 to 303.0 nm	301.2 nm
Molar Extinction Coefficient (at 347 nm)	7300 to 8000 L/(mol cm)	7461.0 L/(mol cm)
Absorption Ratio (A(300 nm) / A(347 nm))	0.89 to 0.91	0.89
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.

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