

Certificate of Analysis

Product Name: 5-Fluoro-L-tryptophan monohydrate
Cat #: F-246
CAS #: 16626-02-1
Lot #: Lot Specific
Retest Date: Lot Specific
Storage:[†] Store at -20°C. Protect from light.

Test	Specs	Results
Color	slightly off-white to off-white	off-white
Form	crystalline powder	crystalline powder
Color of Solution (1% in 1N HCl)	almost colorless to light yellow, clear to almost clear	corresponds
Water Content (K. Fischer)	6.5 - 8.5%	6.6%
Perchloric Acid Titration (0.1 mol/L)	min. 98.0%	99.2%
Purity (HPLC)	min. 98.0 area-%	99.9 area-%
Purity (enantiomeric ratio, HPLC)	min. 99.5 : 0.5	99.8 : 0.2
TLC (10 mg in 1 ml 1N HCl; 1- propanol/acetic acid/water 8:1:1; UV 254 nm, van Urk)	corresponds to reference material	corresponds
Specific Rotation [alpha] _D (c = 1 in 1N HCl)	+8.5 to +9.5	+9.1
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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