

# Certificate of Analysis

**Product Name:** Sodium pyruvate  
**Cat #:** S-117  
**CAS #:** 113-24-6  
**Lot #:** Lot Specific  
**Retest Date:** Lot Specific  
**Storage:<sup>†</sup>** Store at room temperature.

Test	Specs	Results
Color	white to slightly off-white	white
Form	powder	powder
Color of Solution (10% in water)	colorless	colorless
Turbidity (10% in water)	max. 15.0 NTU	14.1 NTU
Loss on Drying (105°C, 3 h, vacuum)	max. 1.0%	0.06%
pH-Value (0.1 mol/L in water)	5.2 to 7.2	6.2
pH-Value (1 mol/L in water)	5.0 to 7.0	6.3
Perchloric Acid Titration (0.1 mol/L)	99.0 to 101.0%	100.0%
Purity (HPLC)	min. 98.0 area-%	99.6 area-%
Heavy Metals as Pb (color reaction with thioacetamide)	max. 10 mg/kg	<10 mg/kg
Arsenic Traces	max. 1 mg/kg	<1 mg/kg
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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