



Product Specification

Product Name: Adenosine, Free Base
Cat #: A-060
CAS #: 58-61-7
Storage: Store at 4°C.

Test	Specifications
Color	white to off-white
Form	crystalline powder
Assay (Titration)	90.0-101.0%
Purity (HPLC)	≥99.0 area-%
Specific Optical Rotation [alpha] _D	-72.0 to -68.0
Loss on Drying	≤0.5%
Melting Point	233.0 - 238.0°C
Residue on Ignition	≤0.10%
Heavy Metals	≤10 ppm
Ammonia	≤0.0004%
Chloride	≤0.007%
Sulfate	≤0.02%
Total Impurities	≤0.5%
Adenine	≤0.20%
Guanosine	≤0.10%
Inosine	≤0.10%
Uridine	≤0.10%
Total Aerobic Count	≤1000 EU/g
Total Mold Count	≤100 EU/g
E. Coli	none detected
Endotoxins	≤100 EU/g
FT-IR Spectrum	corresponds to reference material
Acidity or Alkalinity	corresponds to requirements

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

Gold Biotechnology, Inc.

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