



Specification

Formula Hill: C₁₀H₁₃N₅O₄
Molar Mass: 267,24 g/mol
CAS N°: 58-61-7

Print Date: 07 October 2019

100300 Adenosine USP

	Specifications
Assay	99,0 - 101,0 %
Identity (IR)	Conforms
Appearance	
- White or almost white	Conforms
- Crystalline powder	Conforms
Acidity/Alkalinity	Conforms
Melting Point	233,0 - 238,0 °C
Specific rotation	-72,0 - -68,0 °
Chloride (Cl)	≤ 0,07 %
Sulphate (SO ₄)	≤ 0,02 %
Ammonium (NH ₄)	≤ 4,0 ppm
Heavy Metals (as Pb)	≤ 10,0 ppm
Related substances	
- Adenine	≤ 0,2 %
- Guanosine	≤ 0,1 %
- Inosine	≤ 0,1 %
- Total of all impurities	≤ 0,5 %
- Uridine	≤ 1,0 %
- Any individual unspecified impurities	≤ 0,1
Loss on Drying	≤ 0,5 %
Ash	≤ 0,1 %
Conforms to USP	Conforms