



## Certificate of Analysis

### Adenosine USP

**Catalog Number:** AD1003  
**Lot Number:** 1031801  
**CAS Number:** 58-61-7  
**Synonym(s):** 9-β-D-Ribofuranosyladenine, Adenine riboside, Adenine-9-β-D-ribofuranoside  
**Molecular Formula:** C<sub>10</sub>H<sub>13</sub>N<sub>5</sub>O<sub>4</sub>  
**Molecular Weight:** 267.24  
**Storage:** 15°C – 30°C  
**Date of Manufacture:** June 6, 2018  
**Retest Date:** June 5, 2020

Test	Specification	Result
Appearance	White to off-white crystalline powder	Conforms
Assay (HPLC)	≥ 99.0%	99.46%
Identification (HPLC)	Retention time of the major peak matches the reference.	Conforms
Identification (IR)	To match standard	Conforms
Transmittance	≥ 95.0%	99.41%
Melting Point	233.0°C – 238°C	Conforms
Moisture (LOD)	≤ 0.5%	0.18%
Residue on Ignition	≤ 0.1%	0.04%
Total Impurities	≤ 0.5%	0.33%
Heavy Metals	≤ 10ppm	< 10ppm

Approved by:

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Date: November 1, 2018