

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-10-09 16:40:14  
Date of Next Testing: 2027-10-08 16:40:14  
Product Name: **Cytidine 5'-monophosphate**  
CAS Number: 63-37-6  
Specifications & Purity: 99%  
Lot #: C1622040  
SKU #: **C101008**  
**Analysis:** **283060**  
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in } 0.5\text{mol/L Na}_2\text{HPO}_4 \text{ sol.})$	9-10.5 (°)	9.90°
Purity(HPLC)	98-100 (%)	99.72000 %
Heavy metal (as Pb)	0-10 (ppm)	9.75 ppm
Phosphorus(anhydrous)	9-9.8 (%)	9.75 %
Loss on drying	0-3 (%)	0.00 %
Appearance (C101008)	White to Off-White Powder or Crystals	White to Off-White Powder or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in 1 M NH <sub>4</sub> OH , Colorless,Clear,50 mg/ml	pass	Pass



John Su  
QA & QC Manager