

Shanghai Aladdin Biochemical Technology Co., LTD  
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## Certificate of Analysis

Date of Testing: 2025-03-27 09:02:35  
Date of Next Testing: 2029-03-26 09:02:35  
Product Name: **Cytosine**  
CAS Number: 71-30-7  
Specifications & Purity: Moligand™, ≥98%  
Lot #: C2521162  
SKU #: **C104336**  
Version: **0**  
Analysis #: **202973**  
Storage Temperature: Room temperature

| Parameter                                                                       | Limit Values                          | Result                                |
|---------------------------------------------------------------------------------|---------------------------------------|---------------------------------------|
| Purity(HPLC)                                                                    | 98-100 (%)                            | 98.78800 %                            |
| Loss on drying(105°C, 5h)                                                       | 0-0.5 (%)                             | 0.45000 %                             |
| Appearance (C104336)                                                            | White to Off-White Powder or Crystals | White to Off-White Powder or Crystals |
| Infrared spectrum                                                               | Conforms to Structure                 | Conforms to Structure                 |
| Proton NMR spectrum                                                             | Conforms to Structure                 | Conforms to Structure                 |
| Solubility in 0.5 M HCl , Colorless to Light Yellow Clear to pass Hazy(50mg/ml) |                                       | Pass                                  |

