



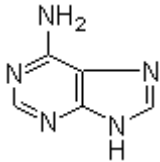
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## CERTIFICATE OF ANALYSIS

NO: **DYC071604142**

|                    |                                                                                   |
|--------------------|-----------------------------------------------------------------------------------|
| Product name       | Adenine                                                                           |
| CAS Number         | 73-24-5                                                                           |
| Molecule Structure |  |
| Molecule Formula   | C5H5N5                                                                            |
| Batch number       | 20161219                                                                          |
| Manufacture date   | 2016-12-19                                                                        |
| Testing date       | 2016-12-20                                                                        |
| Expiry date        | 2019-11                                                                           |

| Items               | Standard                 | Result   |
|---------------------|--------------------------|----------|
| Identification      | Infrared absorption      | Complies |
| Loss on drying      | ≤1.0%                    | 0.3%     |
| Residue on ignition | ≤0.1%                    | 0.1%     |
| Heavy metals        | ≤10ppm                   | Complies |
| Organic impurities  | USP35                    | Complies |
| Nitrogen content    | 50.2%~53.4%              | 50.8%    |
| Assay (HClO4)       | 98.0%~102.0%             | 99.6%    |
| Conclusion          | Conforms to the standard |          |

QUALITY CONTROL:  
Hangzhou Dingyan Chem Co., Ltd.  
Quality Control *Edith*  
Signature(s)

CHECK: 姚仙娟

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